U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-289 561

Water Resources Data for Mississippi Water Year 1972. Part 1. Surface Water Records. Part 2. Water Quality Records

(U.S.) Geological Survey, Jackson, MS Water Resources Div

1973

BIBLIOGRAPHIC DATA SHEET

1. Report No. USGS/WRD/HD-78/135

2.

3. Recipient's Accession No. PB289561

4. Title and Subtitle
Water Resources Data for Mississippi
Water Year 1972
Part 1. Surface Water Records
Part 2. Water Quality Records

5. Report Date 1973

6.

7. Author(s)

8. Performing Organization Rept. USGS-WDR-MS-72-1

9. Performing Organization Name and Address
U.S. Geological Survey, Water Resources Division
430 Bounds Street
Jackson, MS 39206

10. Project/Task/Work Unit No.

11. Contract/Grant No.

12. Sponsoring Organization Name and Address
U.S. Geological Survey, Water Resources Division
430 Bounds Street
Jackson, MS 39206

13. Type of Report & Period Covered Annual Oct. 1, 1971 to Sept. 30, 1972

14.

15. Supplementary Notes
Prepared in cooperation with Mississippi Board of Water Commissioners and with other State, county, municipal, and Federal agencies.

16. Abstracts

Water resources data for the 1972 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs. This report contains discharge records for 81 gaging stations; stage only record for 1 gaging station; stage and contents for 4 lakes and reservoirs; water quality for 25 gaging stations. Also included are 29 low-flow and 144 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Mississippi.

17. Key Words and Document Analysis. 17a. Descriptors
*Mississippi, *Hydrologic data, *Surface water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water analyses.

17b. Identifiers/Open-Ended Terms

17c. COSATI Field/Group

18. Availability Statement No restriction on distribution.
This report may be purchased from:
National Technical Information Service
Springfield, VA 22161

19. Security Class (This Report) UNCLASSIFIED

20. Security Class (This Page) UNCLASSIFIED

21. No. of Pages 210

22. Price MF A01
PC A10

FORM NTIS-35 (REV. 10-73) ENDORSED BY ANSI AND UNESCO. THIS FORM MAY BE REPRODUCED USCOMM-DC 8265-P74

PB 289561

1972

Water Resources Data for Mississippi

Water Year 1972

Part 1. Surface Water Records

Part 2. Water Quality Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-72-1

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

Prepared in cooperation with the Mississippi Board of Water Commissioners and with other State, county municipal, and Federal agencies

210

CALENDAR FOR WATER YEAR 1972

OCTOBER 1971

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NOVEMBER 1971

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER 1971

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JANUARY 1972

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FEBRUARY 1972

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29				

MARCH 1972

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL 1972

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY 1972

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE 1972

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JULY 1972

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST 1972

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER 1972

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

WATER RESOURCES DATA FOR MISSISSIPPI, 1972

ERRATA

Page 45 - Insert 150 cfs, minimum for May

Page 98 - Insert SEP, heading for last column
Insert 402,100 acre-feet for Sept. 1
396,300 acre-feet for Sept. 2

Insert daily discharges as follows:

Page 76 - Oct. 8 - 2,780

Page 77 - Sept. 9 - 238
10 - 240

Page 78 - Sept. 24 - 21,900   28 - 44,900
25 - 40,600   29 - 46,800
26 - 38,700   30 - 65,700
27 - 44,200
Monthly   Total   1,110.8 M
Mean   37,030
Max   65,700
Min   13,800

Page 90 - March 11 - 163,900   April 13 - 185,600
12 - 164,400
13 - 164,500
14 - 165,600

Page 99 - Sept. 15 - 1,930   22 - 1,920
16 - 1,930   23 - 2,520
17 - 1,930   24 - 3,850
18 - 1,930   25 - 3,770
20 - 1,920   26 - 3,700
21 - 1,920   27 - 3,610

1972

Water Resources Data
for
Mississippi
Water Year 1972

Part 1. Surface Water Records
Part 2. Water Quality Records

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-72-1

Prepared in cooperation with the Mississippi Board of
Water Commissioners and with other State, county,
municipal, and Federal agencies

I b

Prepared in cooperation with

Mississippi Board of Water Commissioners
Mississippi State Highway Department
Mississippi Research and Development Center
Mississippi Air and Water Pollution Control Commission
Pat Harrison Waterway District
Pearl River Valley Water Supply District
Harrison County Development Commission
Jackson County Port Authority
City of Jackson
Corps of Engineers, U.S. Army
U.S. Soil Conservation Service
Environmental Protection Agency

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
430 Bounds Street
Jackson, Mississippi 39206

1973

CONTENTS

Page

List of surface-water stations, in downstream order, for which records are published.......... IV
List of water-quality stations, in downstream order, for which records are published.......... VI
Introduction.......... 1
Cooperation.......... 2
Definition of terms.......... 3
Special network and programs.......... 6
Downstream order and station numbers.......... 7
Surface water records.......... 8
  Collection and computation of data.......... 8
  Accuracy of data.......... 12
  Publications.......... 13
  Other data available.......... 14
  Records of discharge collected by agencies other than the Geological Survey.......... 14
Water quality records.......... 14
  Collection and examination of data.......... 14
  Solutes.......... 16
  Temperature.......... 16
  Publications.......... 16
Hydrologic conditions.......... 17
Selected references.......... 18
Part 1. Surface-water records.......... 23
Part 2. Water-quality records.......... 147
Index.......... 199

ILLUSTRATIONS

Figure 1. Map showing location of gaging and water-quality sampling stations.......... 19
2. Map showing location of partial-record stations.......... 20
3. Runoff during 1971 water year compared with median runoff for period 1931-60 for three representative gaging stations.......... 21

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

Page

MOBILE RIVER BASIN

Tombigbee River:

- Mackeys Creek near Dennis 24
- Tombigbee River near Fulton 25
  - Bull Mountain Creek near Smithville 26
- Tombigbee River at Bigbee 27
  - Town Creek at Eason Boulevard at Tupelo 28
  - Town Creek near Nettleton 29
- Tombigbee River near Amory 30
- Tombigbee River at Aberdeen 31
  - Buttahatchee River near Aberdeen 32
  - Chuquatonchee Creek (head of Tibbee Creek) near Okalona 33
  - Chuquatonchee Creek near Egypt 34
  - Chuquatonchee Creek near West Point 36
  - Tibbee Creek near Tibbee 37
- Tombigbee River at Columbus 38
  - Luxapallila Creek at Steens 39
- Tombigbee River near Cochrane, Ala 40
  - Noxubee River at Macon 42
  - Noxubee River near Geiger, Ala 43

PASCAGOULA RIVER BASIN

- Leaf River (head of Pascagoula River) near Collins 45
  - Bowie Creek near Hattiesburg 46
- Leaf River at Hattiesburg 47
  - Tallahala Creek at Laurel 48
  - Tallahala Creek near Runnelstown 49
  - Bogue Homo near Richton 50
- Leaf River near McLain 51
  - Chunky River (head of Chickasawhay River) near Chunky 52
    - Okatibbee Creek near Meridian 53
      - Sowashee Creek at Meridian 54
    - Okatibbee Creek at Arundel 55
  - Chickasawhay River at Enterprise 56
    - Buckatunna Creek near Denham 57
  - Chickasawhay River at Leakesville 58
- Pascagoula River at Merrill 59

Big Black Creek:

- Black Creek (head of Big Black Creek) near Brooklyn 60
  - Cypress Creek near Janice 61
- Black Creek near Wiggins 62
  - Red Creek at Vestry 63
- Escatawpa River near Wilmer, Ala 64

BILOXI RIVER BASIN

Biloxi River at Wortham 65

WOLF RIVER BASIN

Wolf River near Landon 66

SURFACE-WATER STATIONS IN DOWNSTREAM ORDER

Page

PEARL RIVER BASIN

Pearl River at Edinburg 68
Pearl River near Carthage 69
Tuscolameta Creek at Walnut Grove 70
Yockanookany River near Kosciusko 71
Yockanookany River near Ofahoma 72
Pearl River at Jackson 73
Pearl River near Monticello 74
Whitesand Creek near Oak Vale 75
Pearl River near Bogalusa, La 76
Bogue Chitto near Tylertown 77

MISSISSIPPI RIVER BASIN
Mississippi River:
OHIO RIVER BASIN
Ohio River:
TENNESSEE RIVER BASIN

Tennessee River at Florence, Ala 78
Bear Creek near Mingo 79
Bear Creek at Bishop, Ala 80
Mississippi River at Memphis, Tenn 81

YAZOO RIVER BASIN
Tallahatchie River (head of Yazoo River):

Cane Creek near New Albany 84
Little Tallahatchie River at Etta 85
Clear Creek near Oxford 86
Sardis Lake near Sardis 87
Little Tallahatchie River at Sardis Dam, near Sardis 88

Panola-Quitman Floodway (continuation of Tallahatchie River):

Yocona River near Oxford 89
Enid Lake near Enid 90
Yocona River at Enid Dam, near Enid 91

Tallahatchie River (old channel):
Coldwater River:

Arkabutla Lake near Arkabutla 92
Coldwater River at Arkabutla Dam, near Arkabutla 93
Tallahatchie River (old channel) near Lambert 94
Tallahatchie River at Swan Lake 95
Yalobusha River at Calhoun City 96
Skuna River at Bruce 97
Grenada Lake near Grenada 98
Yalobusha River at Grenada Dam, near Grenada 99

Tippo Bayou:

Askalmore Creek at Retention Dam, near Cascilla 100
Yazoo River at Greenwood 101
Sunflower River at Sunflower 102
Mississippi River at Vicksburg 103

SURFACE-WATER STATIONS IN DOWNSTREAM ORDER

Page

MISSISSIPPI RIVER BASIN--Continued
BIG BLACK RIVER BASIN
Big Black River at West.. 105
Big Black River near Bovina....................................... 107
BAYOU PIERRE BASIN
Bayou Pierre near Willows... 108
HOMOCHITTO RIVER BASIN
Homochitto River at Eddiceton..................................... 109
Homochitto River at Rosetta....................................... 110
BUFFALO RIVER BASIN
Buffalo River near Woodville...................................... 111
MISSISSIPPI RIVER DELTA
Amite River near Darlington, La................................... 112
Discharge at partial-record stations and miscellaneous sites.... 113
Low-flow partial-record stations.................................. 113
Crest-stage partial-record stations............................... 116
Discharge measurements at miscellaneous sites..................... 128
Discharge measurements in Tennessee-Tombigbee Study Area...... 136
Discharge measurements in Pascagoula River Estuary Study Area. 145

WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

(Letters after station name designate type of data: (c), chemical; (t), water temperature)

MOBILE RIVER BASIN
Tombigbee River:
Mackeys Creek near Dennis (c)..................................... 148
Tombigbee River near Marietta (c)................................. 149
Tombigbee River near Fulton (c)................................... 150
Tombigbee River at Beans Ferry near Fulton (c).................... 151
Tombigbee River at Barrs Ferry near Smithville (c)................ 152
Tombigbee River near Amory (c).................................... 153
Tombigbee River at Aberdeen (c)................................... 154
Tombigbee River at Columbus (c)................................... 155
PASCAGOULA RIVER BASIN
Leaf River (head of Pascagoula River) near Palmer (c,t)......... 156
Tallahala Creek near Runnelstown (c).............................. 159
Bogue Homo near Laurel (c).. 160
Chickasawhay River:
Okatibbee Creek at Arundel (c).................................... 161
Chickasawhay River at Enterprise (t).............................. 162
Pascagoula River at Merrill (c,t)................................. 163
Pascagoula River near Benndale (c)................................ 166

Page

PASCAGOULA RIVER BASIN--Continued
  Big Black Creek:
  Black Creek (head of Big Black Creek):
    Cypress Creek near Janice (c).............................. 167
  Black Creek near Benndale (c).................................. 169
  Escatawpa River at Moss Point (c).............................. 170
PEARL RIVER BASIN
Pearl River near Carthage (c).................................... 171
Pearl River near Georgetown (c).................................. 172
Pearl River near Monticello (c).................................. 173
Pearl River near Columbia (c).................................... 174
  Bogue Chitto near Lehr (c)..................................... 175
  Hobolochitto Creek near Picayune (c)........................... 176
MISSISSIPPI RIVER BASIN
Mississippi River:
  OHIO RIVER BASIN
  Ohio River:
    TENNESSEE RIVER BASIN
    Tennessee River:
      Yellow Creek near Doskie................................... 177
Analyses of samples collected at water-quality partial-record stations (c,t)... 178
Analyses of samples collected at miscellaneous sites (c)........ 190

WATER RESOURCES DATA FOR MISSISSIPPI, 1972

Part 1. Surface-Water Records
Part 2. Water-Quality Records

INTRODUCTION

Water resources data for the 1972 water year for Mississippi including records of streamflow or reservoir storage at gaging stations, partial-record stations, and miscellaneous sites, and records of water-quality data on the chemical and physical characteristics of surface water, are given in this report. In Part 1, records are included for 71 gaging stations of which 67 are streamflow discharge stations, and 4 are reservoir or lake stations; also are included records for 29 low-flow partial-record stations, 141 crest-stage partial-record stations, and 246 miscellaneous sites. Locations of gaging stations are shown in Figure 1. In Part 2, data on the quality of surface water (chemical and temperature) were collected from designated sampling sites at predetermined intervals such as monthly, or less frequently. Records are given for 92 sampling stations of which 5 are continuous record stations, 37 are partial-record stations, and 31 are miscellaneous sites. Locations of water-quality stations are shown in Figure 1. A few pertinent stations (not included above) furnished by bordering States are also included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of L. E. Carroon, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." More information is given under the headings "Publications" on page 13.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in collecting data through cooperation with the Survey are:

Mississippi Board of Water Commissioners, Jack W. Pepper, water engineer.

Mississippi State Highway Department, E. L. Boteler, director.

Mississippi Research and Development Center, Dr. Kenneth C. Wagner, director.

Mississippi Air and Water Pollution Control Commission, Glen Wood, Jr., executive secretary.

Pat Harrison Waterway District, Pat W. Sellers, executive director.

Pearl River Valley Water Supply District, R. M. Hederman, Jr., president.

Harrison County Development Commission, Tommy Munroe, president.

Jackson County Port Authority, A. F. Dantzler, president.

City of Jackson, Russell C. Davis, mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 42 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture and the Environmental Protection Agency.

The Vicksburg Bridge Commission of Warren County aided in collecting records.

Organizations that supplied data are acknowledged in station descriptions.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Micrograms per liter (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 5.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1})......	0.00788
Ammonia as NH_4^{+1}...	.05544	Iron (Fe^{+3}).......	.05372
Barium (Ba^{+2})......	.01456	Lead (Pb^{+2})*......	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*......	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

International Hydrological Decade(IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska. Station 02479000, Pascagoula River at Merrill, has been designated as an IHD Station.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of indentification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02430000, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "430000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (Eastern Gulf of Mexico basins), Part 3 (Ohio River basin), and Part 7 (Lower Mississippi River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 5-, 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The descriptions of the gaging stations give the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period or record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations and miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; to 3 significant figures between 1,000 and 1,000,000 cfs; and to 4 significant figures above 1,000,000 cfs.

The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Mississippi for the period October 1960 to September 1965 are in Water-Supply Papers 1906 and 1920.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Mississippi are compiled in Water-Supply Papers 1304 and 1311 through September 1950, and in 1724 and 1731 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 93 sites during the water year by the following agencies: Records of daily discharge were collected at 9 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 4 sites by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 80 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Water-quality information is presented for chemical quality, microbiological, and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium adsorption ratio, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent periodic observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 2 below.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms, p.4).

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

At chemical quality stations where monitors are installed, the records consist of daily maximum and minimum values for each constituent measured. More detailed records (hourly values) may be obtained from the district office of the U.S. Geological Survey at the address given on page of this report.

Temperature

Water temperatures are measured at most of the water-quality stations. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly average.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Mississippi are listed below.

Water years	WSP No.
1963	1947
1964	1954
1965	1961
1966	1991, 1994
1967	2011, 2014
1968	2092

HYDROLOGIC CONDITIONS

Hydrologic conditions for the year as a whole were near normal. Although streamflow for the months of December and January was excessive, falling in the upper 25 percent for the period of record, no new maxima were experienced. Similarly, though flow in the southeastern part of the State was deficient during most of the last half of the year, no new minima were established for streams in the area.

After nearly normal early fall runoff conditions, exceedingly heavy rains during the first part of December in the southwestern part of the State resulted in significant flooding of the medium-sized streams. In the Homochitto River, Amite River, and Bogue Chitto basins peak discharges of up to 50-year frequencies occurred. Elsewhere in the State the floods were no greater than the mean annual. Subsequent fairly heavy storm periods near the end of December and again in early January resulted in significantly high runoff for both months but no other floods of consequence occurred.

During the remainder of the year near normal runoff conditions prevailed, except in the southeastern part of the State where streamflow was deficient for five of the last six months of the year.

SELECTED REFERENCES

American Public Health Association, and others, 1965, Standard methods for the examination of water and wastewater, 12th ed.: Am. Public Health Assoc., New York, 769 p.

Carter, R. W., and Davidian, Jacob, 1968, General procedures for gaging streams: U.S. Geological Survey Techniques of Water-Resources Inv., book 3, chap. A6, 13 p.

Colby, B. R., 1963, Fluvial sediments--a summary of source, transportation, deposition, and measurement of sediment discharge: U.S. Geol. Survey Bull. 1181-A, 47 p.

Colby, B. R., and Hubbell, D. W., 1961, Simplified methods for computing total sediment discharge with the modified Einstein procedure: U.S. Geol. Survey Water-Supply Paper 1593, 17 p.

Corbett, D. M., and others, 1943, reprinted 1957, stream-gaging procedures describing methods and practices of the Geological Survey: a manual of the U.S. Geol. Survey Water-Supply Paper 888, 245 p.

Hem, J. D., 1970, Study and interpretation of the chemical characteristics of natural water - Revised edition: U.S. Geol. Survey Water-Supply Paper 1473, 363 p.

Lane, E. W., and others, 1947, Report of subcommittee on sediment terminology: Am. Geophy. Union Trans., v. 28, no. 6, p. 936-938.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Shell, J. D., and Thomson, F. H., 1970, A proposed streamflow data program for Mississippi: U.S. Geol. Survey open-file report, 65 p.

Skougstad, N. W., Brown, E. R., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases in water: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A-1, 160 p.

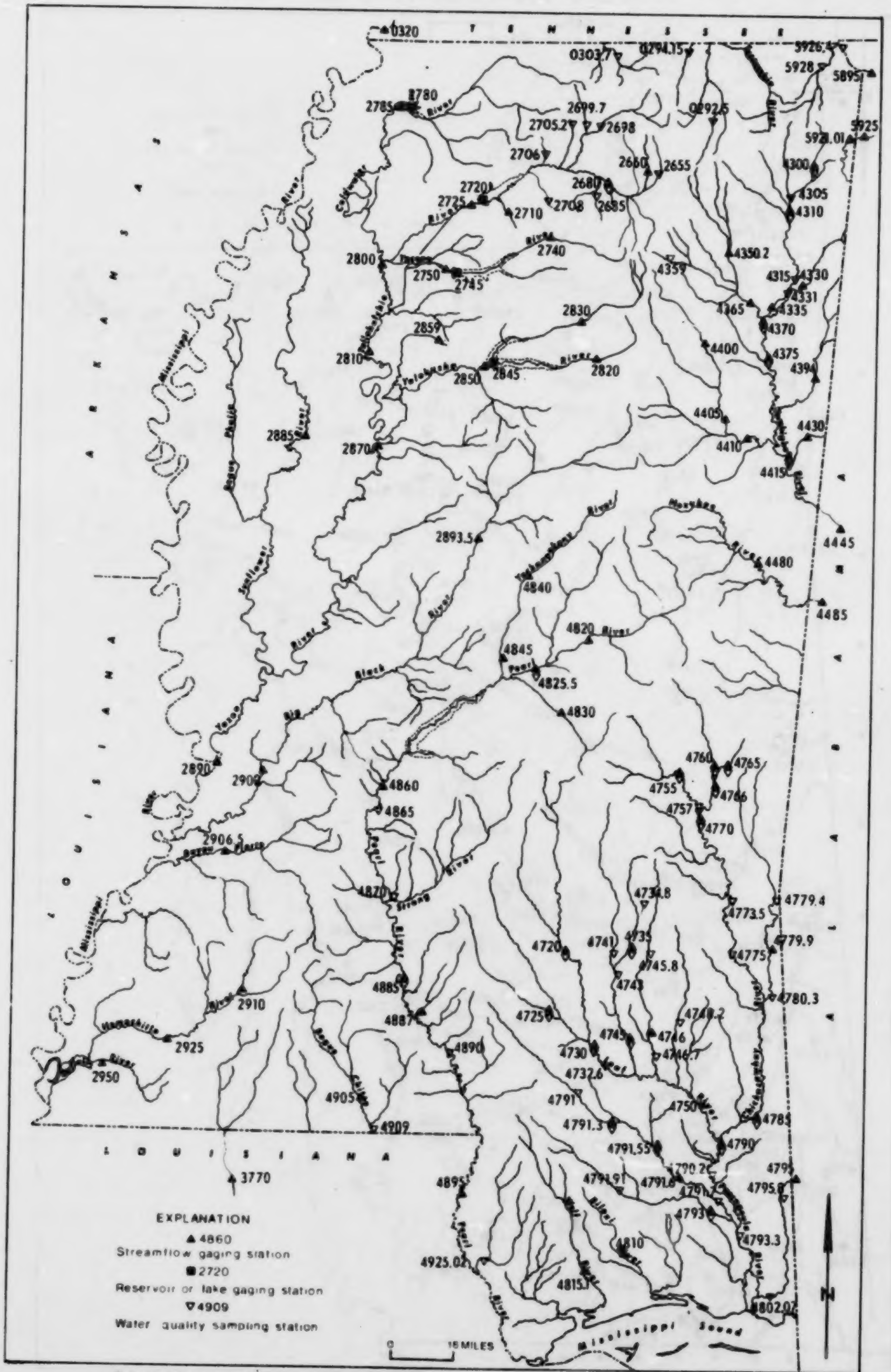
TENNESSEE
ARKANSAS
LOUISIANA
ALABAMA
EXPLANATION
▲4860
Streamflow gaging station
■2720
Reservoir or lake gaging station
▽4909
Water quality sampling station
0 15 MILES
N
Mississippi Sound
0320
0303.7
0294.15
0292.5
5926.4
5928
5895
5925
5921.01
2785
2780
2699.7
2705.2
2698
2706
2660
2655
2680
2685
2720
2725
2710
2708
4300
4305
4310
4350.2
4359
4315
4330
4331
4335
4365
4370
4375
4390
4400
4405
4410
4415
4430
4445
4480
4485
2800
2750
2745
2740
2830
2859
2810
2850
2845
2820
2885
2870
2893.5
4840
4820
4845
4825.5
4830
2890
2900
4860
4865
2906.5
4870
4760
4765
4755
4766
4757
4770
4734.8
4779.4
4773.5
4741
4735
4720
4745.8
4743
4775
4779.9
4780.3
2910
4885
4887
4725
4748.2
4745
4746
4746.7
4730
4732.6
4890
2925
2950
4905
4909
4791
4750
4785
4791.3
4790
4791.55
4790.2
4795
3770
4895
4791.91
4791.6
4791
4795.8
4793
4793.3
4810
4925.02
4815
4802.02
River
Yazoo
Big Black
Pearl
Strong
Homochitto
Buffalo
Bayou Pierre
Sunflower
Tallahatchie
Yalobusha
Coldwater
Yockanookany
Noxubee
Tombigbee
Leaf
Chickasawhay
Pascagoula
Bogue Chitto
Wolf
Biloxi
Mississippi
Deer Creek
Bogue Phalia
Tennessee
Tallahala

Figure 1 -- Map showing location of gaging and water - quality sampling stations

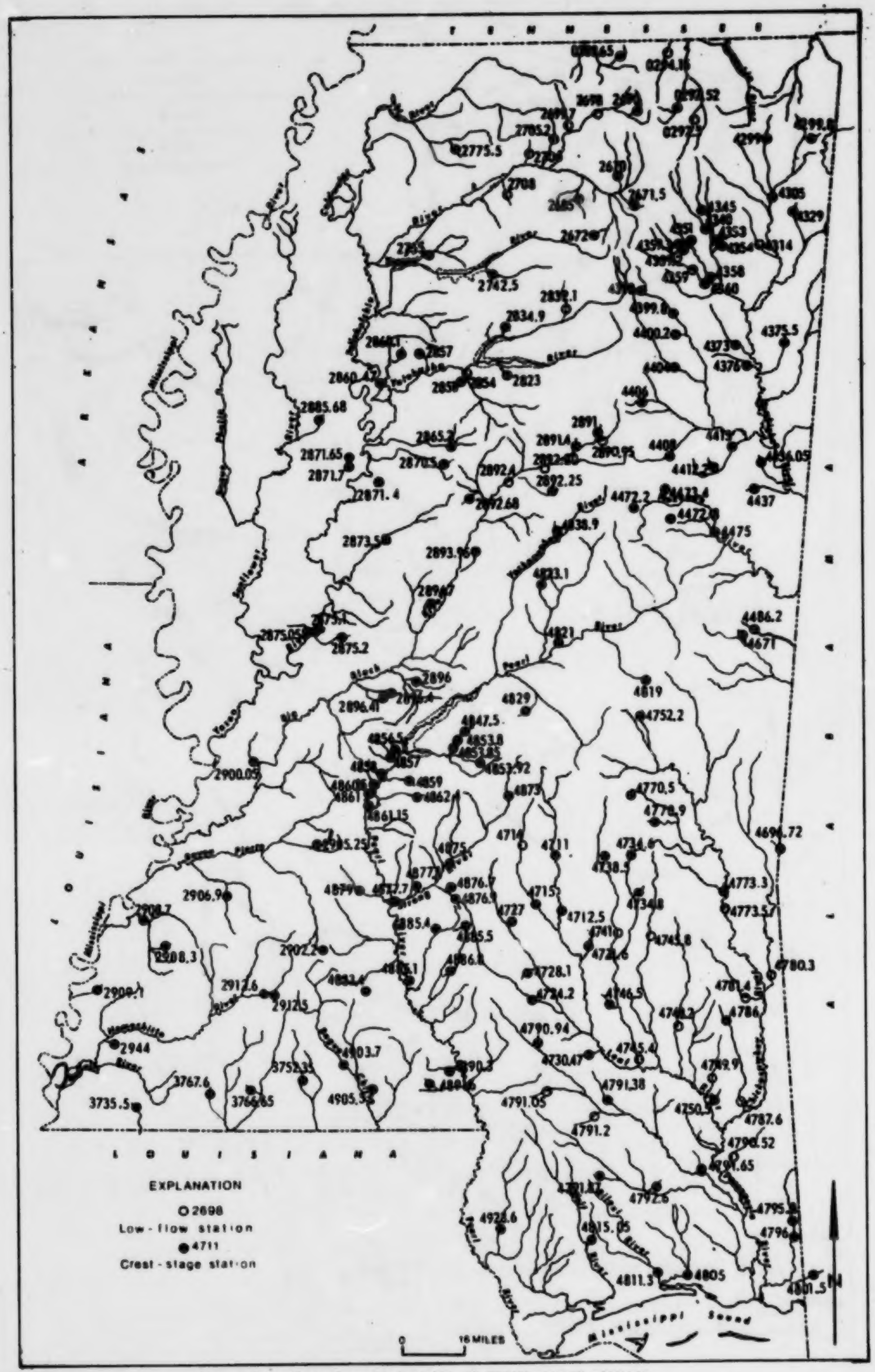
TENNESSEE
ARKANSAS
LOUISIANA
LOUISIANA
ALABAMA
Mississippi Sound
Pearl River
Big Black River
Yazoo River
Homochitto River
EXPLANATION
○ 2698
Low-flow station
● 4711
Crest-stage station
0 16 MILES
N
2775.5
2708
2742.5
2834.9
2823
2854
2885.68
2871.65
2871.7
2871.4
2873.5
2893.95
2875.2
2896
2896.41
2900.05
2906.9
2908.3
2909.1
2944
3735.5
3767.6
3752.35
4905.5
4903.7
2912.6
2902.2
4672.7
4305
4329
4375.5
4373
4376
4400.2
4406
4408
4412
4437
4472.2
4475
4486.2
4671
4638.9
4633.1
4621
4819
4829
4752.2
4770.5
4847.5
4853.8
4859
4862.4
4873
4714
4711
4715
4712.5
4727
4728.1
4734.2
4745.8
4773.3
4780.3
4696.72
4790.94
4730.47
4791.38
4791.05
4791.2
4792.6
4787.6
4790.52
4791.65
4795.5
4796
4811.3
4805
4801.5
4815.05
4922.6

Figure 2 -- Map showing location of partial-record stations

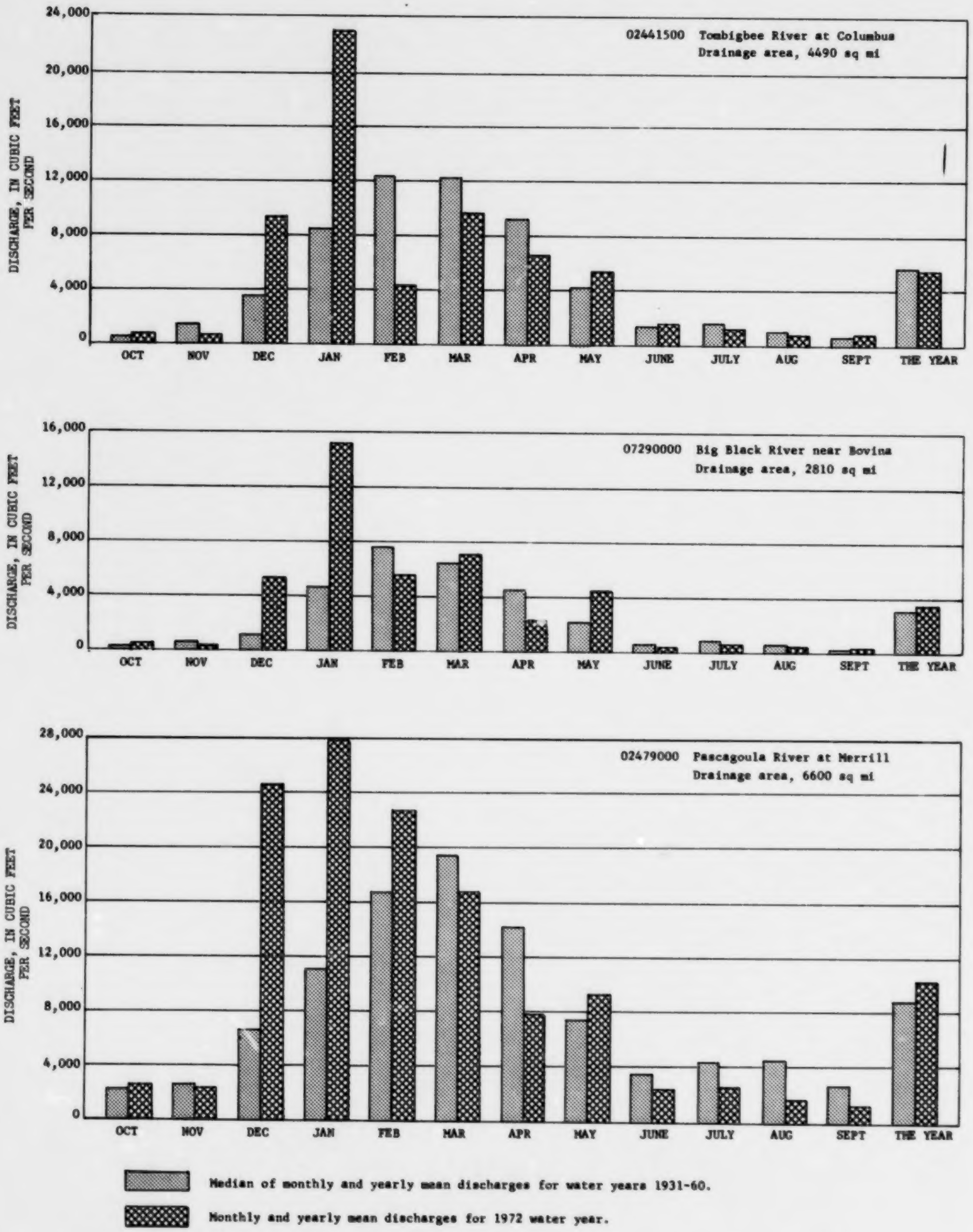

FIGURE 3.--COMPARISON OF DISCHARGE AT THREE LONG-TERM REPRESENTATIVE GAGING STATIONS DURING 1972 WATER YEAR WITH MEDIAN DISCHARGE FOR PERIOD 1931-60.

PART 1. SURFACE WATER RECORDS

Preceding page blank

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02430000 Mackeys Creek near Dennis, Miss.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, on left bank at downstream side of old crossing 0.1 mile downstream from bridge on State Highway 4 at Narrows dam site, 6 miles southwest of Dennis, and 10 miles upstream from confluence with Big Brown Creek (corrected).

DRAINAGE AREA.--66.8 sq mi, (revised).

PERIOD OF RECORD.--October 1937 to current year. Prior to January 1944, monthly discharge only, published in WSP 1304. Prior to October 1966, published as Mackys Creek near Dennis.

GAGE.--Water-stage recorder. Datum of gage is 333.47 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 100 cfs (20.33 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,020 cfs Jan. 4 (gage height, 9.69 ft); minimum, 18 cfs Sept. 1-4 (gage height, 1.85 ft).
Period of record: Maximum discharge, 16,300 cfs Mar. 21, 1955 (gage height, 28.44 ft), from rating curve extended above 6,700 cfs on basis of slope-area measurement of peak flow; minimum since Jan. 1, 1944, 8.2 cfs Sept. 3, 4, 5, 1954.

REMARKS.--Records fair, except those for period of no gage-height record, which are poor. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939-40(M), 1944-46(M), 1948, 1949(P), 1950(M), 1951.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	39	73	111	90	95	120	53	50	40	93	19
2	32	50	69	572	89	300	113	55	45	37	105	18
3	31	100	154	411	87	250	110	60	40	57	51	18
4	30	90	159	626	82	200	207	55	36	92	37	18
5	32	80	112	674	78	170	137	52	34	90	33	26
6	38	65	154	242	83	150	120	50	32	53	31	34
7	36	55	235	163	105	140	111	70	30	41	27	31
8	33	50	129	141	87	300	140	400	28	36	24	27
9	31	48	111	185	80	200	130	350	25	35	24	26
10	32	50	152	525	78	150	110	250	24	37	34	26
11	28	50	176	350	76	130	105	150	26	32	35	26
12	28	48	207	250	82	120	100	130	27	27	31	25
13	27	46	340	180	114	115	95	150	26	25	83	24
14	29	44	158	130	93	130	92	130	25	24	53	22
15	27	43	135	100	85	135	90	110	26	24	33	21
16	29	42	139	95	80	170	150	100	45	25	27	20
17	29	42	143	92	87	160	140	150	42	34	25	20
18	30	42	128	96	86	130	110	100	39	31	25	110
19	27	57	105	99	79	120	90	80	37	40	24	64
20	27	70	129	95	72	110	80	65	36	53	23	40
21	27	53	120	96	70	105	75	55	33	36	23	30
22	30	46	98	100	76	120	140	52	30	32	22	35
23	43	45	87	94	80	150	130	50	27	27	22	94
24	163	43	84	90	76	120	100	60	26	25	22	42
25	97	47	76	90	87	180	75	100	62	24	26	28
26	63	50	64	84	103	140	60	90	81	24	25	23
27	48	50	62	81	97	129	55	70	45	22	25	22
28	44	49	65	113	87	139	52	50	104	21	22	23
29	41	95	67	133	100	335	50	45	155	171	21	34
30	40	85	104	113	------	164	60	70	74	143	20	92
31	40	------	137	95	------	134	------	65	------	102	19	------
TOTAL	1,246	1,674	3,972	6,226	2,489	4,991	3,147	3,267	1,310	1,460	1,065	1,038
MEAN	40.2	55.8	128	201	85.8	161	105	105	43.7	47.1	34.4	34.6
MAX	163	100	340	674	114	335	207	400	155	171	105	110
MIN	27	39	62	81	70	95	50	45	24	21	19	18
CFSM	.60	.84	1.92	3.01	1.28	2.41	1.57	1.57	.65	.71	.52	.52
IN.	.69	.93	2.21	3.47	1.39	2.78	1.75	1.82	.73	.81	.59	.58

CAL YR 1971 TOTAL 36,818 MEAN 101 MAX 1,790 MIN 15 CFSM 1.51 IN 20.50
WTR YR 1972 TOTAL 31,885 MEAN 87.1 MAX 674 MIN 18 CFSM 1.30 IN 17.76

PEAK DISCHARGE (BASE, 1,500 CFS).--No peak above base.

NOTE.--No gage-height record Apr. 8 to June 7.

02431000 Tombigbee River near Fulton, Miss.

LOCATION.—Lat 34°15'55", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 miles west of Fulton, 6.2 miles upstream from Mantachie Creek Canal, 13.5 miles downstream from Twentymile Creek Canal, and at mile 421.8.

DRAINAGE AREA.—612 sq mi (revised).

PERIOD OF RECORD.—August 1928 to current year. Gage-height records collected at site 800 ft upstream 1909-12 are contained in reports of U.S. Weather Bureau. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

GAGE.—Water-stage recorder. Datum of gage is 242.93 ft above mean sea level. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

AVERAGE DISCHARGE.—44 years, 894 cfs (19.84 inches per year).

EXTREMES.—Current year: Maximum discharge, 12,800 cfs Jan. 4 (gage height, 17.55 ft); minimum observed, 11 cfs Nov. 15 (temporary regulation); minimum daily, 42 cfs Sept. 3-4 (unregulated).

Period of record: Maximum discharge, 82,200 cfs Mar. 22, 1955 (gage height, 25.75 ft), from rating curve extended above 48,000 cfs on basis of estimate of flow made by indirect methods and by logarithmic plotting; minimum observed, 11 cfs Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 cfs Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft Aug. 12, 1930.

REMARKS.—Records fair. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).—WSP 1002: Drainage area. WSP 1032: 1944.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	115	235	990	947	476	2,000	290	366	1,100	410	56
2	100	121	203	3,580	859	920	1,460	282	272	851	399	51
3	90	289	389	7,140	773	1,680	1,200	320	175	661	346	42
4	94	351	710	9,040	682	1,520	1,340	320	153	1,120	298	42
5	129	341	545	10,800	596	1,240	1,750	290	143	1,160	227	73
6	154	251	704	7,140	583	1,130	1,620	280	129	986	155	82
7	150	192	1,160	4,840	742	952	1,400	328	113	634	109	87
8	138	161	1,170	2,850	746	1,240	1,190	1,220	93	417	92	87
9	120	145	1,090	1,990	658	1,970	1,080	1,580	86	294	93	93
10	100	153	1,160	2,830	614	1,770	993	1,650	87	203	103	82
11	92	160	1,290	4,690	569	1,590	898	1,420	143	165	107	75
12	87	139	1,280	4,260	544	1,290	760	1,080	137	138	123	72
13	81	124	1,920	3,030	720	1,060	686	988	109	116	244	67
14	79	119	2,370	2,050	762	920	597	975	103	105	308	62
15	79	78	2,100	1,520	678	866	570	859	145	94	258	57
16	74	122	2,060	1,180	626	843	734	693	203	95	177	56
17	77	127	2,050	992	638	1,020	988	612	185	116	123	82
18	76	123	1,810	838	669	1,080	1,010	744	136	100	93	814
19	75	149	1,490	774	607	1,080	853	594	110	83	83	797
20	79	154	1,230	734	530	1,010	722	454	95	78	76	440
21	84	170	1,150	712	476	890	593	339	92	76	66	290
22	91	150	1,060	872	464	835	556	292	87	74	55	202
23	92	140	918	800	493	912	473	240	80	73	51	305
24	122	137	764	722	484	842	413	228	71	70	292	220
25	201	150	678	680	474	890	368	389	140	65	455	174
26	285	145	590	617	503	1,190	334	538	401	61	218	134
27	256	143	530	572	579	1,220	300	404	413	62	143	155
28	192	145	479	698	521	1,170	274	288	467	86	99	170
29	153	178	464	1,040	485	1,690	252	230	1,100	121	85	326
30	130	250	505	1,060	------	3,360	298	234	1,290	493	79	556
31	120	------	848	1,020	------	2,630	------	413	------	629	69	------
TOTAL	3,714	5,022	32,972	80,281	18,022	39,286	25,712	18,574	7,124	10,326	5,427	5,749
MEAN	120	167	1,064	2,590	621	1,267	857	599	237	333	175	192
MAX	285	351	2,370	10,800	947	3,360	2,000	1,650	1,290	1,160	455	814
MIN	74	78	203	572	464	476	252	228	71	61	51	42
CFSM	.20	.27	1.74	4.23	1.01	2.07	1.40	.98	.39	.54	.29	.31
IN.	.23	.31	2.00	4.88	1.10	2.39	1.56	1.13	.43	.63	.33	.35

CAL YR 1971 TOTAL 349,479 MEAN 957 MAX 16,900 MIN 54 CFSM 1.56 IN 21.24
WTR YR 1972 TOTAL 252,209 MEAN 689 MAX 10,800 MIN 42 CFSM 1.13 IN 15.33

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-04	2400	17.55	12,800				

02433000 Bull Mountain Creek near Smithville, Miss.

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw meridian, Itawamba County, on right bank at downstream side of old crossing 200 ft upstream from bridge on State Highway 25, 0.8 mile upstream from Mississippian Railway bridge, 1.1 miles north of Smithvile, and 3.5 miles upstream from mouth.

DRAINAGE AREA.--336 sq mi (revised).

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--32 years, 535 cfs (21.62 inches per year).

EXTREMES.--Current year: Maximum discharge, 9,150 cfs Jan. 4 (gage height, 12.83 ft); minimum, 51 cfs Sept. 14, 15 (gage height, 2.06 ft).

Period of record: Maximum discharge, 40,000 cfs Mar. 22, 1955 (gage height, 17.18 ft), from rating curve extended above 17,000 cfs; minimum, 19 cfs Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), Sept. 10, 13, 14, 15, 1954.

Flood in December 1926 reached a stage of 15.7 ft, from floodmark (discharge, about 29,000 cfs), from information by Corps of Engineers.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	110	204	793	580	356	1,060	358	294	391	251	59
2	106	111	173	2,330	544	1,130	802	318	212	240	157	56
3	100	155	383	3,720	523	1,560	668	407	180	204	133	55
4	100	560	790	8,300	458	1,740	847	422	168	227	109	54
5	105	383	314	6,820	409	1,500	1,160	326	155	392	95	59
6	154	221	838	6,220	405	964	1,360	269	143	420	69	60
7	151	179	1,420	3,590	523	763	1,020	458	143	302	111	62
8	130	159	1,470	2,360	591	961	847	3,040	123	210	90	65
9	110	154	1,830	1,580	478	1,240	832	4,860	116	172	79	61
10	99	147	1,520	1,600	437	1,380	729	3,430	115	154	98	59
11	94	147	928	1,800	432	982	630	2,040	110	142	81	58
12	90	147	979	2,030	427	790	583	970	188	130	85	56
13	88	135	1,160	2,030	444	687	554	931	157	112	100	54
14	86	131	1,400	1,330	478	645	521	880	127	106	253	52
15	85	127	1,540	964	458	679	478	710	221	99	180	56
16	83	126	1,100	769	405	718	528	721	693	104	113	57
17	83	123	1,070	665	444	916	671	627	463	166	95	63
18	89	121	1,290	627	560	994	1,000	763	338	171	84	160
19	81	140	1,520	612	495	847	682	528	272	113	76	230
20	81	197	1,220	583	422	732	536	402	203	102	74	158
21	80	248	925	557	387	638	468	342	163	102	70	102
22	80	189	781	560	387	595	1,040	302	142	99	66	82
23	92	159	635	508	402	856	871	269	131	87	71	73
24	159	152	552	473	416	871	707	246	124	81	95	116
25	389	155	500	470	394	712	534	389	180	89	79	134
26	284	157	473	446	372	858	442	478	400	110	90	90
27	188	157	442	409	366	988	391	336	398	98	85	81
28	148	158	402	418	356	665	354	258	342	90	75	78
29	132	182	387	635	336	853	340	232	510	83	69	176
30	125	191	396	757	------	1,020	350	238	585	128	65	191
31	114	------	606	670	------	1,280	------	284	------	370	63	------
TOTAL	3,818	5,321	27,748	54,626	12,929	29,131	21,225	25,834	7,396	5,164	3,161	2,659
MEAN	123	177	895	1,762	446	940	708	833	247	167	103	88.6
MAX	389	560	1,830	8,300	591	1,740	1,360	4,860	693	420	253	230
MIN	80	110	173	409	336	356	340	232	110	81	63	52
CFSM	.37	.53	2.66	5.24	1.33	2.80	2.11	2.48	.74	.50	.31	.26
IN.	.42	.59	3.07	6.05	1.43	3.23	2.35	2.86	.82	.57	.35	.29

CAL YR 1971 TOTAL 216,099 MEAN 592 MAX 10,100 MIN 50 CFSM 1.76 IN 23.93
WTR YR 1972 TOTAL 199,032 MEAN 544 MAX 8,300 MIN 52 CFSM 1.62 IN 22.04

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-04	1300	12.83	9,150	05-09	0930	11.80	5,600

02433500 Tombigbee River at Bigbee, Miss.

LOCATION.--Lat 34°00'40", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on State Highway 6, 0.2 mile upstream from St. Louis-San Francisco Railway bridge, 0.5 mile southeast of Bigbee, 2 miles northwest of Amory, and 3.7 miles upstream from Town Creek.

DRAINAGE AREA.--1,226 sq mi (revised).

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (sta 02437000), 4.0 miles downstream, used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--19 years (1944-54, 1963-72), 1,946 cfs (21.56 inches per year).

EXTREMES.--Current year: Maximum discharge, 17,300 cfs Jan. 6; maximum gage height, 18.08 ft Jan. 5; minimum discharge, 123 cfs Sept. 15 (gage height, 1.47 ft).

Period of record: Maximum discharge, 52,800 cfs Feb. 15, 1948 (gage height, 24.92 ft, from graph based on gage readings); minimum, 29 cfs Sept. 15, 1954.

REMARKS.--Records good.

COOPERATION.--Gage-height record and 7 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1946, 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	264	486	1,840	2,000	1,180	3,330	936	916	1,650	780	159
2	258	258	486	5,310	1,880	2,380	3,380	920	788	1,510	620	143
3	242	308	768	5,530	1,770	3,320	3,180	1,050	655	1,320	480	137
4	226	685	1,350	10,500	1,620	3,290	3,340	1,060	572	1,250	430	133
5	274	820	1,570	15,000	1,460	3,440	3,280	960	511	1,460	360	147
6	306	593	1,710	16,700	1,370	2,960	3,380	840	466	1,630	310	149
7	356	476	3,330	15,500	1,590	2,550	3,160	913	428	1,590	280	150
8	327	404	2,970	10,600	1,720	2,740	2,850	4,810	392	1,280	250	173
9	295	364	2,930	7,780	1,610	2,900	2,680	6,340	366	936	231	173
10	258	344	3,050	6,270	1,450	3,220	2,450	6,630	335	732	306	178
11	232	337	2,540	6,010	1,370	3,090	2,120	5,220	319	601	288	198
12	217	344	2,390	6,150	1,310	2,850	1,870	3,510	341	498	258	161
13	208	327	2,950	6,700	1,410	2,680	1,650	3,160	472	431	319	142
14	197	313	2,970	6,230	1,540	2,450	1,480	2,720	380	377	434	128
15	190	301	3,260	5,010	1,530	2,190	1,360	2,300	395	330	659	125
16	186	282	3,370	4,000	1,430	2,140	1,810	1,950	985	311	511	125
17	188	262	3,380	3,280	1,480	2,270	2,130	1,610	1,020	401	407	130
18	186	297	3,810	2,700	1,570	2,350	2,290	1,600	880	440	311	409
19	183	337	3,800	2,250	1,560	2,260	2,010	1,510	693	377	255	1,230
20	177	404	3,680	1,930	1,390	2,100	1,710	1,230	548	338	220	1,210
21	176	461	3,120	1,770	1,260	1,960	1,540	1,060	440	303	194	824
22	183	413	2,620	1,690	1,210	1,810	2,520	932	380	270	178	562
23	195	382	2,170	1,700	1,230	1,840	2,050	852	324	250	165	422
24	246	351	1,850	1,660	1,240	1,980	1,620	804	290	230	184	466
25	372	344	1,560	1,580	1,230	1,880	1,270	816	366	240	471	498
26	508	354	1,370	1,500	1,210	2,060	1,110	1,170	1,260	240	663	392
27	496	359	1,220	1,400	1,210	2,320	1,000	1,110	1,440	270	410	306
28	419	356	1,110	1,410	1,240	2,350	932	900	1,190	250	282	308
29	351	379	1,040	1,780	1,190	2,410	908	780	1,420	240	226	419
30	308	425	1,060	2,230	------	2,500	908	720	1,660	520	190	701
31	278	------	1,440	2,140	------	2,840	------	776	------	1,000	174	------
TOTAL	8,320	11,544	69,360	158,150	42,080	76,310	63,318	59,189	20,232	21,275	10,846	10,298
MEAN	268	385	2,237	5,102	1,451	2,462	2,111	1,909	674	686	350	343
MAX	508	820	3,810	16,700	2,000	3,440	3,380	6,630	1,660	1,650	780	1,230
MIN	176	258	486	1,400	1,190	1,180	908	720	290	230	165	125
CFSM	.22	.31	1.82	4.16	1.18	2.01	1.72	1.56	.55	.56	.29	.28
IN.	.25	.35	2.10	4.80	1.28	2.32	1.92	1.80	.61	.65	.33	.31

CAL YR 1971 TOTAL 678,986 MEAN 1,860 MAX 26,500 MIN 130 CFSM 1.52 IN 20.60
WTR YR 1972 TOTAL 550,922 MEAN 1,505 MAX 16,700 MIN 125 CFSM 1.23 IN 16.72

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-06	2200	[a] 18.08	17,300				

[a] At 1300 on Jan. 5.

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw meridian, Lee County, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft upstream from Kings Creek, 0.2 mile downstream from Mud Creek; 0.4 mile downstream from St. Louis and San Francisco Railroad, and 2.0 miles upstream from Tulip Creek.

DRAINAGE AREA.--230 sq mi.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 11,400 cfs Jan. 4 (gage height, 23.50 ft); minimum, 3.0 cfs part of each day Aug. 16-19, 24 (gage height, 2.77 ft).

Period of record: Maximum discharge, 14,800 cfs Feb. 22 (gage height, 25.09 ft); minimum, 2.3 cfs Oct. 4-5 (gage height, 2.72 ft).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	9.3	16	400	130	108	123	41	41	77	46	4.6
2	8.4	61	17	7,900	123	1,780	110	41	30	130	22	4.6
3	8.4	46	337	1,720	118	887	145	53	28	110	10	4.6
4	22	20	118	9,620	108	318	1,480	41	25	464	6.8	7.6
5	18	15	61	4,940	103	247	334	33	24	415	4.6	6.8
6	17	12	698	668	192	179	204	30	23	137	4.0	4.6
7	15	13	853	442	362	170	168	233	20	89	3.5	4.0
8	13	12	156	324	145	2,030	250	1,960	18	39	3.5	4.0
9	12	12	91	573	113	444	145	327	16	27	6.0	4.6
10	11	14	345	3,050	110	255	123	149	13	22	15	4.6
11	10	12	270	1,000	110	191	116	105	12	17	5.3	4.6
12	10	14	1,710	412	137	154	110	147	11	15	7.6	4.6
13	11	14	1,960	298	279	132	110	531	9.3	13	55	4.6
14	11	14	346	209	141	147	108	218	8.4	11	7.6	4.6
15	10	12	503	145	116	126	95	141	13	11	4.0	4.6
16	7.6	10	449	116	116	584	813	84	13	10	3.5	4.6
17	9.3	10	965	113	139	292	231	100	13	9.3	3.0	44
18	8.4	13	409	110	139	184	137	84	12	9.3	3.0	168
19	10	16	196	121	113	147	113	61	11	7.6	3.5	93
20	10	18	264	113	103	116	98	50	10	6.8	3.5	17
21	10	15	218	116	95	113	86	41	9.3	11	3.5	10
22	10	14	123	116	93	113	86	36	8.4	12	4.0	84
23	10	14	113	110	103	108	77	33	8.4	10	4.6	11
24	11	15	103	113	105	100	63	121	7.6	16	4.6	6.8
25	11	14	93	113	105	587	55	426	11	12	5.3	4.6
26	11	14	91	108	110	306	44	95	126	11	5.3	5.3
27	10	15	84	105	118	201	37	63	100	7.6	4.6	161
28	9.3	16	82	365	108	340	34	52	199	5.3	4.6	65
29	9.3	31	82	387	100	802	55	48	126	31	4.0	50
30	8.4	23	231	355	------	277	57	100	95	75	4.0	184
31	9.3	------	362	167	------	168	------	79	------	44	4.0	------
TOTAL	340.7	518.3	11,338	34,329	3,834	11,606	5,607	5,523	1,041.4	1,854.9	265.9	981.3
MEAN	11.0	17.3	366	1,107	132	374	187	178	34.7	59.8	8.58	32.7
MAX	22	61	1,960	9,620	362	2,030	1,480	1,960	199	464	55	184
MIN	7.6	9.3	16	105	93	100	34	30	7.6	5.3	3.0	4.0
CFSM	.05	.08	1.59	4.81	.57	1.63	.81	.77	.15	.26	.04	.14
IN.	.06	.08	1.83	5.55	.62	1.88	.91	.89	.17	.30	.04	.16

CAL YR 1971 TOTAL 136,991.6 MEAN 375 MAX 12,700 MIN 3.3 CFSM 1.63 IN 22.16
WTR YR 1972 TOTAL 77,239.5 MEAN 211 MAX 9,620 MIN 3.0 CFSM .92 IN 12.49

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-02	0945	22.91	10,300	01-04	1330	23.50	11,400

02436500 Town Creek near Nettleton, Miss.

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw meridian, Monroe County, on right bank at downstream side of bridge on U.S. Highway 45, 1.9 miles downstream from Tallabinnela Creek, 2 miles downstream from Tubbalubba Creek, and 2.1 miles south of Nettleton.

DRAINAGE AREA.--617 sq mi.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft above mean sea level (Corps of Engineers benck mark). Prior to Oct. 1, 1947, at datum 10.00 ft higher.

AVERAGE DISCHARGE.--33 years, 890 cfs (19.59 inches per year).

EXTREMES.--Current year: Maximum discharge, 17,100 cfs Jan. 4 (gage height, 26.94 ft); minimum, 12 cfs Sept. 3-4 (gage height, 4.96 ft).

Period of record: Maximum discharge, 151,000 cfs Mar. 22, 1955 (gage height, 33.88 ft); minimum, 0.8 cfs Sept. 14, 15, 1942.

Maximum stage known since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft, present datum, from floodmark.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	21	48	1,040	426	219	351	134	107	93	65	14
2	26	71	40	10,400	342	3,650	289	146	87	70	53	14
3	23	136	715	4,510	359	2,400	270	229	78	348	38	13
4	22	63	406	14,300	296	880	2,960	144	71	1,020	26	19
5	109	41	162	8,690	255	665	1,070	113	62	527	25	30
6	69	36	1,720	3,000	414	490	620	99	59	209	21	22
7	42	34	2,330	1,720	965	412	499	1,350	54	114	18	19
8	36	31	490	1,250	451	3,460	588	6,480	49	87	18	19
9	31	31	225	1,340	343	1,350	409	1,730	47	73	20	25
10	27	32	635	5,220	299	710	335	687	45	62	33	22
11	24	31	704	3,200	273	540	309	437	42	56	30	18
12	24	30	1,590	1,260	333	445	299	572	40	49	66	18
13	27	29	3,350	907	662	386	276	1,820	40	45	312	17
14	26	27	1,000	671	406	409	255	734	38	41	49	17
15	25	27	992	493	325	356	222	681	121	46	28	16
16	24	27	1,030	392	289	1,750	2,180	343	121	40	22	16
17	22	27	2,550	384	490	1,020	853	322	170	45	20	38
18	21	29	1,270	384	420	588	414	278	255	38	19	887
19	24	44	614	389	296	472	312	194	53	37	18	296
20	24	41	598	384	227	359	270	161	44	34	17	80
21	24	34	560	384	214	315	278	134	38	32	15	46
22	24	29	354	384	222	312	588	118	36	34	15	114
23	24	31	278	346	250	265	214	106	36	31	15	57
24	24	33	250	312	237	229	170	255	35	28	20	39
25	23	31	223	291	227	948	145	751	904	61	65	34
26	24	28	208	252	227	826	127	224	853	48	36	30
27	24	30	194	244	229	484	121	132	431	55	22	142
28	23	31	188	788	194	731	113	101	829	34	16	109
29	22	65	193	1,180	177	1,500	159	88	649	33	15	151
30	22	68	448	1,110	------	765	192	207	189	80	15	591
31	21	------	826	559	------	457	------	219	------	260	14	------
TOTAL	911	1,188	24,191	65,784	9,900	27,393	14,888	18,989	5,583	3,730	1,146	2,913
MEAN	29.4	39.6	780	2,122	341	884	496	613	186	120	37.0	97.1
MAX	109	136	3,350	14,300	965	3,650	2,960	6,480	904	1,020	312	887
MIN	21	21	40	244	177	219	113	88	35	28	14	13
CFSM	.05	.06	1.26	3.44	.55	1.43	.80	.99	.30	.19	.06	.16
IN.	.05	.07	1.46	3.97	.60	1.65	.90	1.14	.34	.22	.07	.18

CAL YR 1971 TOTAL 300,629 MEAN 824 MAX 20,600 MIN 18 CFSM 1.34 IN 18.13
WTR YR 1972 TOTAL 176,616 MEAN 483 MAX 14,300 MIN 13 CFSM .78 IN 10.65

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
01-04	0945	26.94	17,100				

02437000 Tombigbee River near Amory, Miss.

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mile downstream from Town Creek, 3.5 miles west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,924 sq mi (revised).

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (sta 02437500), 20 miles downstream, was used as an auxiliary gage for this station 1950-58.

AVERAGE DISCHARGE.--35 years, 2,924 cfs (20.64 inches per year).

EXTREMES.--Current year: Maximum discharge, 28,000 cfs Jan. 5 (gage height, 26.05 ft); minimum, 136 cfs Sept. 15 (gage height, 3.39 ft).

Period of record: Maximum discharge, 126,000 cfs Mar. 22, 1955; maximum gage height, 34.47 ft Mar. 23, 1955; minimum discharge, 45 cfs Sept. 20, 1954; minimum gage height, 0.77 ft Sept. 1, 1943.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record and 7 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	277	525	2,820	2,820	1,520	3,800	1,140	1,060	1,950	1,130	184
2	277	294	532	12,200	2,630	5,530	3,820	1,130	868	1,740	760	169
3	254	457	1,280	15,200	2,450	7,740	3,660	1,400	695	1,530	623	154
4	241	773	1,980	18,100	2,230	5,110	5,410	1,350	596	2,550	519	158
5	360	927	2,030	27,400	2,000	4,430	5,220	1,160	526	2,130	442	195
6	392	658	2,940	22,100	1,990	3,870	4,210	945	487	2,050	363	187
7	414	518	6,610	18,000	2,880	3,350	3,910	1,360	456	1,870	319	180
8	376	450	4,390	14,700	2,510	6,170	3,680	11,100	422	1,450	294	209
9	328	401	3,640	11,300	2,230	5,280	3,400	10,500	396	965	253	209
10	280	376	3,920	12,400	2,020	4,240	3,160	8,020	372	716	289	209
11	249	366	3,980	12,900	1,890	3,940	2,820	6,400	360	581	313	226
12	231	366	4,000	9,030	1,810	3,640	2,540	4,660	369	490	266	182
13	228	360	7,710	8,180	2,290	3,430	2,230	5,240	480	419	609	162
14	218	336	5,160	7,590	2,270	3,260	2,010	4,210	412	384	432	148
15	209	325	4,620	6,260	2,150	2,970	1,810	3,460	419	351	592	138
16	204	311	4,890	4,970	1,960	3,970	4,140	2,820	1,140	339	463	138
17	199	286	6,480	4,120	2,230	3,750	3,440	2,360	1,220	409	375	160
18	192	322	5,960	3,550	2,290	3,260	3,020	2,280	1,460	419	313	1,290
19	192	392	4,960	3,080	2,170	3,120	2,650	2,120	738	363	260	1,750
20	187	464	4,760	2,750	1,880	2,840	2,280	1,720	555	342	231	1,460
21	187	525	4,180	2,550	1,690	2,630	2,100	1,440	456	310	212	902
22	190	495	3,530	2,460	1,600	2,470	3,920	1,190	390	299	195	627
23	202	430	3,050	2,420	1,640	2,390	2,890	1,060	345	281	191	483
24	257	398	2,640	2,320	1,660	2,520	2,170	1,030	316	255	216	456
25	366	382	2,290	2,210	1,630	2,820	1,660	1,750	821	271	464	473
26	536	388	2,010	2,080	1,570	3,350	1,380	1,630	2,450	271	658	400
27	536	388	1,790	1,940	1,590	3,070	1,220	1,430	2,270	313	419	380
28	464	382	1,640	2,220	1,590	3,240	1,110	1,080	2,000	284	308	456
29	398	430	1,530	3,290	1,490	3,940	1,090	878	2,420	263	260	526
30	336	505	1,630	3,730	------	3,660	1,190	849	2,120	346	228	1,180
31	302	------	2,700	3,150	------	3,510	------	1,080	------	1,440	209	------
TOTAL	9,110	12,982	107,357	245,020	59,160	115,020	85,940	86,792	26,619	25,381	12,206	13,391
MEAN	294	433	3,463	7,904	2,040	3,710	2,865	2,800	887	819	394	446
MAX	536	927	7,710	27,400	2,880	7,740	5,410	11,100	2,450	2,550	1,130	1,750
MIN	187	277	525	1,940	1,490	1,520	1,090	849	316	255	191	138
CFSM	.15	.23	1.80	4.11	1.06	1.93	1.49	1.46	.46	.43	.20	.23
IN.	.18	.25	2.08	4.74	1.14	2.22	1.66	1.68	.51	.49	.24	.26

CAL YR 1971 TOTAL 1,016,511 MEAN 2,785 MAX 27,200 MIN 140 CFSM 1.45 IN 19.65
WTR YR 1972 TOTAL 798,978 MEAN 2,183 MAX 27,400 MIN 138 CFSM 1.13 IN 15.45

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-05	1200	26.05	28,000				

02437500 Tombigbee River at Aberdeen, Miss.

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville meridian, Monroe County, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 miles downstream from St. Louis-San Francisco Railway bridge, 1.5 miles east of Aberdeen, 2 miles downstream from Matubby Creek, 6 miles downstream from Halfway Creek, and 13 miles upstream from McKinley Creek.

DRAINAGE AREA.--2,169 sq mi (revised).

PERIOD OF RECORD.--August 1928 to September 1958, October 1971 to current year. Gage-height records collected at site 1.3 miles upstream since 1909 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 154.71 ft above mean sea level (Corps of Engineers bench mark). Prior to Aug. 30, 1939, nonrecording gage at site 1.3 miles upstream at present datum; Sept 1, 1939, to Sept. 30, 1958, water-stage recorder, and Oct. 1, 1958, to Sept. 30, 1971, nonrecording gage, at present site and datum.

AVERAGE DISCHARGE.--31 years (1928-58, 1972), 3107 cfs (19.45 inches per year).

EXTREMES.--Current year: Maximum discharge, 33,200 cfs Jan. 6 (gage height, 38.20 ft); minimum, 174 cfs Sept. 16 (gage height, 3.11 ft).

Period of record: Maximum discharge, 106,000 cfs Mar. 23, 1955; maximum gage height, 42.40 ft in gage well, 42.9 ft from outside gage Mar. 23, 1955; minimum discharge, 58 cfs Sept. 1, 2, 1943; minimum gage height, 0.77 ft Sept. 12, 13, 1954.

Maximum stage known, 45.3 ft Mar. 23, 1955 at site used prior to November 1934. A stage of 44.8 ft occurred April 20, 1892 at former site.

REMARKS.--Records fair. Records for chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	461	377	642	2,610	3,700	1,470	3,490	1,220	1,040	1,780	1,100	226
2	399	358	669	8,680	3,000	4,480	3,640	1,220	996	1,610	981	209
3	362	369	1,090	12,800	2,500	8,720	3,560	1,660	847	1,450	761	197
4	318	503	2,220	17,800	2,190	8,340	4,520	1,550	745	1,890	659	192
5	304	854	2,040	28,200	1,930	6,620	6,340	1,300	672	1,870	530	217
6	482	945	2,880	32,300	1,800	4,920	5,200	1,110	616	1,860	420	238
7	486	726	6,940	27,600	2,370	3,700	4,100	1,210	579	1,720	360	229
8	479	616	6,970	22,000	2,620	4,950	3,650	6,790	539	1,490	300	237
9	424	549	4,920	17,900	2,240	7,030	3,420	7,200	509	1,150	310	269
10	380	494	3,850	15,800	1,980	6,080	3,450	10,300	479	878	360	248
11	314	470	4,460	15,700	1,820	4,440	2,730	9,440	452	728	340	262
12	284	461	3,820	14,700	1,740	3,730	2,460	7,930	436	570	320	247
13	268	457	6,500	13,100	1,970	3,370	2,170	6,360	498	500	720	212
14	256	448	7,330	11,600	2,210	3,120	2,000	5,440	524	455	480	196
15	251	402	6,090	10,200	2,070	2,850	1,850	3,720	481	425	680	182
16	244	384	5,440	8,500	1,900	3,080	2,320	2,890	766	400	520	177
17	236	364	5,640	6,180	1,960	4,050	4,190	2,310	1,150	490	430	186
18	235	347	6,820	4,010	2,230	3,280	2,980	2,000	1,250	485	350	585
19	229	362	6,370	3,120	2,250	3,020	2,620	1,840	940	420	300	1,970
20	224	415	5,340	2,710	1,880	2,740	2,200	1,640	708	400	270	1,480
21	222	508	4,640	2,450	1,680	2,510	1,950	1,400	583	375	240	1,090
22	222	534	3,780	2,330	1,560	2,350	6,010	1,210	498	350	220	745
23	224	640	3,070	2,230	1,560	2,200	6,740	1,090	440	320	240	631
24	331	606	2,600	2,190	1,580	2,500	3,860	1,030	403	300	300	489
25	486	582	2,200	2,100	1,580	2,900	1,950	1,260	462	315	600	515
26	570	568	2,000	2,000	1,580	3,260	1,570	1,530	2,190	335	750	495
27	621	561	1,800	1,900	1,570	2,940	1,400	1,390	2,140	370	450	410
28	626	561	1,650	2,100	1,560	3,260	1,250	1,180	1,760	310	330	484
29	573	570	1,500	2,500	1,520	3,900	1,180	990	2,580	360	270	524
30	489	606	1,500	3,200	------	4,180	1,270	899	2,070	700	268	858
31	417	------	2,100	3,800	------	3,450	------	1,040	------	1,650	243	------
TOTAL	11,417	15,637	116,871	302,310	58,550	123,440	94,070	90,149	27,353	25,956	14,102	14,000
MEAN	368	521	3,770	9,752	2,019	3,982	3,136	2,908	912	837	455	467
MAX	626	945	7,330	32,300	3,700	8,720	6,740	10,300	2,580	1,890	1,100	1,970
MIN	222	347	642	1,900	1,520	1,470	1,180	899	403	300	220	177
CFSM	.17	.24	1.74	4.50	.93	1.84	1.45	1.34	.42	.39	.21	.22
IN.	.20	.27	2.00	5.18	1.00	2.12	1.61	1.55	.47	.45	.24	.24

WTR YR 1972 TOTAL 893,855 MEAN 2,442 MAX 32,300 MIN 177 CFSM 1.13 IN 15.33

02439400 Buttahatchee River near Aberdeen, Miss.

LOCATION.--Lat 33°47'28", long 88°18'52", in NW¼ sec.3, T.15 S., R.17 W., Huntsville meridian, Monroe County, near right bank on downstream side of bridge on county highway, 10 miles downstream from Sipsey Creek, and 13 miles southeast of Aberdeen.

DRAINAGE AREA.--787 sq mi.

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft above mean sea level (Mississippi State Highway bench mark).

AVERAGE DISCHARGE.--6 years, 1,249 cfs (21.55 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,600 cfs Jan. 5 (gage height, 17.07 ft); minimum, 117 cfs Sept. 16 (gage height, 4.26 ft).

Period of record: Maximum discharge, 36,300 cfs Dec. 20, 1967 (gage height, 20.47 ft); minimum, 117 cfs Sept. 16, 1972 (gage height, 4.26 ft).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	250	392	1,080	1,350	806	2,130	1,130	494	626	939	142
2	280	249	355	2,210	1,260	1,580	1,610	993	423	438	599	139
3	262	284	496	3,230	1,180	2,560	1,310	970	377	361	383	135
4	245	397	1,260	9,280	1,100	3,850	1,410	998	344	331	316	133
5	241	477	1,700	13,700	1,010	5,200	1,900	870	323	332	272	143
6	286	352	1,430	12,000	927	3,750	2,150	734	305	334	248	153
7	292	298	2,050	11,000	1,150	2,430	1,780	702	290	336	279	176
8	270	277	2,530	8,000	1,490	2,060	1,550	1,200	277	288	237	167
9	245	265	3,050	5,000	1,320	2,230	1,680	1,930	264	261	213	154
10	233	259	2,890	3,500	1,150	2,610	1,550	2,480	255	246	217	146
11	228	260	2,050	3,700	1,040	2,630	1,300	1,770	250	235	202	144
12	225	261	2,340	4,200	983	2,070	1,180	1,100	372	224	208	136
13	219	259	2,490	4,500	1,030	1,660	1,110	1,090	347	213	204	129
14	215	257	2,660	3,500	1,130	1,460	1,030	1,250	281	204	308	125
15	213	255	2,960	3,000	1,020	1,450	946	1,150	271	217	296	122
16	212	255	2,680	2,100	941	1,370	966	916	265	215	232	119
17	211	251	2,240	1,700	938	1,420	1,520	785	333	207	215	132
18	207	249	2,250	1,400	1,090	1,530	1,770	813	783	201	195	162
19	203	253	2,510	1,200	1,160	1,390	1,320	753	629	209	181	559
20	201	269	2,430	1,100	1,050	1,250	1,070	627	425	225	172	485
21	200	350	1,940	1,050	912	1,120	925	573	321	224	165	279
22	201	328	1,630	1,000	863	1,040	1,610	530	282	193	157	213
23	223	299	1,310	950	858	1,050	3,920	483	255	181	252	203
24	305	287	1,100	900	871	1,020	6,840	459	239	220	245	183
25	445	296	982	800	841	983	6,490	528	244	325	202	177
26	507	325	904	900	834	1,090	3,820	813	369	296	204	169
27	391	313	841	840	859	1,140	2,280	698	696	236	190	160
28	314	307	782	800	844	1,230	1,560	535	697	209	172	170
29	282	333	740	900	770	1,760	1,300	453	1,120	200	159	453
30	263	366	710	1,200	------	2,130	1,190	425	1,020	208	152	404
31	260	------	787	1,400	------	2,280	------	443	------	408	146	------
TOTAL	8,169	8,881	52,489	106,140	29,971	58,149	59,217	28,201	12,551	8,403	7,960	6,012
MEAN	264	296	1,693	3,424	1,033	1,876	1,974	910	418	271	257	200
MAX	507	477	3,050	13,700	1,490	5,200	6,840	2,480	1,120	626	939	559
MIN	200	249	355	800	770	806	925	425	239	181	146	119
CFSM	.34	.38	2.15	4.35	1.31	2.38	2.51	1.16	.53	.34	.33	.25
IN.	.39	.42	2.48	5.02	1.42	2.75	2.80	1.33	.59	.40	.38	.28

CAL YR 1971 TOTAL 503,796 MEAN 1,380 MAX 14,600 MIN 200 CFSM 1.75 IN 23.81
WTR YR 1972 TOTAL 386,143 MEAN 1,055 MAX 13,700 MIN 119 CFSM 1.34 IN 18.25

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-05	0400	17.07	14,600	04-24	2000	15.34	8,320

02439980 Chuquatonchee Creek near Okalona, Miss.

LOCATION.--Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw meridian, on right bank 50 ft downstream from bridge on State Highway 32, 1.5 miles northeast of Van Vleet, 3.1 miles upstream from Dicks Creek, and 7.5 miles west of Okalona.

DRAINAGE AREA.--68.5 sq mi.

RECORDS AVAILABLE.--June 1963 to September 1968, annual maximums, 1969-71 (discontinued as a continuous-record station September, 1968; converted to a crest-stage partial-record station). Prior to October 1965, published as Chookatonchee River near Okalona.

GAGE.--Water-stage recorder. Altitude of gage is 285 ft (from topographic map).

AVERAGE DISCHARGE.--5 years (1963-68), 69.3 cfs.

EXTREMES.--Maximum discharge determined during period 1963-71, 8,700 cfs Apr. 13, 1969 (gage height, 15.68 ft); minimum during period 1963-68, 1.0 cfs Sept. 24, Oct. 13, 1963, Sept. 8, 9, 1966.

REVISIONS.--The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in WSP 1906 and WRD for Mississippi, 1965-68.

Water year	Date	Discharge (cfs)	Gage height (feet)
1964	Mar. 15, 1964	6,500	15.21
1965	Mar. 29, 1965	2,850	14.01
1966	Feb. 10, 1966	6,050	†15.1
1967	Feb. 20, 1967	3,360	14.24
1968	Jan. 10, 1968	Unknown	Unknown

† From floodmark.

COOPERATION.--Gage-height record and discharge measurements furnished by Corps of Engineers.

REVISED PEAK DISCHARGE.--1964: Feb. 15(1500) 2,560 cfs (13.83 ft); Mar. 2 (1700) 3,860 cfs (14.42 ft); Mar. 15 (0300) 6,500 cfs (15.21 ft); Apr. 6 (0015) 4,240 cfs (14.55 ft); Apr. 12 (0630) 3,740 cfs (14.38 ft); Apr. 27 (0130) 2,600 cfs (13.86 ft).

1965: Feb. 12 (0030) 2,490 cfs (13.78 ft); Mar. 1 (0630) 2,800 cfs (13.98 ft); Mar. 29 (1900) 2,850 (14.01 ft).

1968: Dec. 18 (0800) 2,890 cfs (14.03 ft); Jan. 3 (unknown) 2,520 cfs (‡13.8 ft); Jan. 6 (unknown) 2,830 cfs (‡14.0 ft); Jan. 10 (time, discharge and gage height unknown); Mar. 12 (0200) 2,490 cfs (13.78 ft).

‡ Estimated on basis of fragmentary record.

02440000 Chuquatonchee Creek near Egypt, Miss.

LOCATION.--Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, near left bank on downstream side of bridge on State Highway 8, 4.5 miles southwest of Egypt, and 11.5 miles upstream from Houlka Creek.

DRAINAGE AREA.--170 sq mi, approximately.

PERIOD OF RECORD.--October 1951 to current year. Prior to October 1965, published as Chookatonchee Creek near Egypt.

GAGE.--Water-stage recorder. Datum of gage is 221.07 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1969, at datum 5.00 ft higher.

AVERAGE DISCHARGE.--21 years, 190 cfs (15.18 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,850 cfs Jan. 4 (gage height, 13.40 ft); minimum daily, 0.15 cfs Aug. 23.
Water year 1971: Maximum discharge, 7,850 cfs Feb. 22 (gage height, 13.50 ft); no flow, Oct. 5-7.
Period of record: Maximum discharge, 28,300 cfs Mar. 21, 1955 (gage height, 16.23 ft, present datum), from rating curve extended above 11,000 cfs on basis of field estimate of peak flow; no flow at times, many years.
Flood of Mar. 28, 1951, reached a stage of 15.47 ft, present datum, from records of Corps of Engineers.

REMARKS.--Records fair except those for periods of doubtful or no gage-height record and those below 10 cfs, which are poor. Occasional slight regulation at low water, the result of releases from Davis Lake.

COOPERATION.--Gage-height record and 14 discharge measurements furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	12	6.4	108	16	41	96	100	2.4	2.6	9.0	8.0
2	7.8	7.8	6.0	35	15	102	98	15	8.7	2.9	9.8	6.4
3	5.7	6.4	6.4	24	14	224	60	10	9.4	3.3	9.0	8.4
4	1.0	4.8	6.4	607	18	36	37	8.4	4.3	2.6	8.4	20
5	0	4.2	6.7	275	188	20	24	7.4	4.6	2.2	6.4	15
6	0	5.1	7.4	38	64	17	15	6.7	4.1	1.9	5.8	9.5
7	0	6.4	7.4	24	22	34	12	6.7	4.0	1.9	5.3	6.0
8	1.0	7.0	7.4	21	17	15	9.8	6.4	4.3	1.9	4.6	7.0
9	3.6	18	7.8	22	15	28	8.7	6.0	3.8	1.9	4.3	6.1
10	6.0	166	7.8	22	13	37	8.0	6.7	3.6	1.9	4.0	3.5
11	4.5	39	7.0	24	13	60	7.4	20	2.6	1.7	4.6	2.2
12	75	19	8.4	23	89	85	6.9	295	2.0	1.5	4.3	1.2
13	1,020	15	9.5	18	422	112	6.4	3,710	1.9	1.4	3.8	1.0
14	480	38	9.5	15	55	155	6.4	1,300	1.7	1.5	3.6	1.2
15	38	106	8.4	14	26	151	6.0	64	1.7	1.4	1.4	1.3
16	17	32	13	14	22	74	5.7	20	2.8	1.4	1.4	1.2
17	13	16	15	13	18	38	5.4	11	2.8	1.3	1.3	145
18	8.8	19	12	12	16	60	5.1	9.0	2.9	1.2	1.2	68
19	8.1	47	9.8	12	48	90	4.8	8.0	3.5	1.2	1.2	11
20	8.1	64	26	12	631	132	4.8	7.4	2.9	1.4	1.4	5.6
21	7.8	51	470	12	2,150	114	135	6.8	2.6	1.4	1.4	4.3
22	6.4	24	199	12	5,850	102	224	6.1	2.8	1.5	51	3.6
23	5.4	17	194	794	1,510	115	104	5.6	3.1	1.4	18	3.1
24	194	14	164	941	81	142	205	5.3	5.3	1.5	6.8	3.1
25	214	13	46	2,800	34	170	15	5.0	3.9	13	5.1	2.9
26	24	13	25	582	2,240	192	8.4	4.3	3.1	36	3.6	3.1
27	9.2	11	18	67	3,020	245	6.0	4.0	2.9	15	2.6	3.3
28	7.4	8.8	17	38	226	198	5.4	4.0	2.9	9.8	1.9	4.3
29	212	7.4	91	29	------	142	5.1	4.0	2.9	14	1.3	4.0
30	189	7.4	155	25	------	121	97	3.6	2.8	11	1.1	3.3
31	27	------	200	24	------	102	------	3.1	------	9.8	1.0	------
TOTAL	2,602.6	799.3	1,767.3	6,657	16,833	3,154	1,232.3	5,669.5	106.5	151.5	184.5	362.6
MEAN	84.0	26.6	57.0	215	601	102	41.1	183	3.55	4.89	5.95	12.1
MAX	1,020	166	470	2,800	5,850	245	224	3,710	8.7	36	51	145
MIN	0	4.2	6.0	12	13	15	4.8	3.1	1.7	1.2	1.0	1.0
CFSM	.49	.16	.34	1.26	3.54	.60	.24	1.08	.02	.03	.04	.07
IN.	.57	.17	.39	1.46	3.68	.69	.27	1.24	.02	.03	.04	.08

CAL YR 1970 TOTAL 45,519.94 MEAN 125 MAX 6,220 MIN 0 CFSM .74 IN 9.96
WTR YR 1971 TOTAL 39,520.10 MEAN 108 MAX 5,850 MIN 0 CFSM .64 IN 8.65

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-22	0200	13.50	7,850	05-13	1200	13.10	5,200

NOTE.--Doubtful gage-height record Mar. 9 to Apr. 13.

02440000 Chuquatonchee Creek near Egypt, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBFR 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.4	7.4	54	16	73	70	45	9.2	20	9.0	2.2
2	2.9	2.9	6.8	2.120	13	1.020	61	70	8.1	14	4.4	2.4
3	2.8	4.8	18	1.200	12	1.170	60	101	7.2	12	1.5	1.8
4	2.6	8.0	20	5.310	11	231	509	72	6.4	16	.81	3.5
5	3.1	4.8	13	3.840	24	164	169	50	5.7	24	.72	23
6	4.3	4.6	121	399	29	124	103	45	6.0	16	.60	6.2
7	4.6	4.6	692	100	62	112	88	381	4.2	8.5	.45	2.6
8	2.9	4.8	101	80	56	615	76	2.700	3.5	6.6	.38	4.7
9	3.6	5.0	20	70	41	362	60	1.430	3.5	5.8	.36	7.0
10	2.2	5.0	16	150	34	157	59	176	3.1	5.0	.60	3.8
11	2.4	4.6	27	350	31	122	57	99	2.8	4.4	1.1	1.9
12	2.4	3.8	20	119	34	103	58	157	2.7	3.5	1.6	1.6
13	2.6	3.6	183	45	47	94	55	431	2.6	3.5	2.4	1.4
14	2.4	3.3	55	26	41	94	51	153	2.5	4.4	1.8	1.4
15	2.4	3.1	24	19	37	83	49	90	3.5	5.0	1.4	1.2
16	2.2	3.1	29	16	35	320	517	60	10	3.5	.60	1.1
17	2.2	3.1	61	14	53	239	162	76	7.0	3.8	.36	3.5
18	2.2	5.0	113	13	62	132	82	50	9.0	3.5	.29	64
19	2.0	9.0	28	12	56	105	64	35	5.8	2.5	.22	96
20	1.9	9.4	16	9.8	38	91	58	25	4.5	1.5	.20	23
21	1.9	7.4	12	9.0	35	80	105	19	3.0	1.0	.18	9.0
22	2.0	5.6	10	9.8	41	76	1.500	16	2.4	.80	.16	5.4
23	2.4	5.0	8.0	9.0	56	67	112	14	2.0	5.0	.15	5.0
24	3.1	5.0	7.4	8.0	54	65	54	16	15	3.0	5.0	3.5
25	3.1	5.0	7.4	6.8	51	159	40	12	89	19	104	2.4
26	2.9	5.3	7.1	6.1	50	131	35	10	108	12	17	2.2
27	2.2	5.6	6.8	5.8	48	96	32	9.2	25	9.0	19	2.4
28	2.6	7.1	5.6	6.4	43	147	30	9.0	38	4.7	5.0	4.4
29	2.6	8.0	5.8	17	41	225	40	9.3	168	3.8	3.0	6.2
30	2.0	11	6.8	48	------	124	67	9.7	48	8.0	2.7	55
31	2.0	------	10	26	------	86	------	11	------	42	2.5	------
TOTAL	81.4	159.9	1.658.1	14.098.7	1.151	6.667	4.423	6.381.2	605.7	271.80	187.48	347.8
MEAN	2.63	5.33	53.5	455	39.7	215	147	206	20.2	8.77	6.05	11.6
MAX	4.6	11	692	5.310	62	1.170	1.500	2.700	168	42	104	96
MIN	1.9	2.4	5.6	5.8	11	65	30	9.0	2.0	.80	.15	1.1
CFSM	.02	.03	.31	2.68	.23	1.26	.86	1.21	.12	.05	.04	.07
IN.	.02	.03	.36	3.09	.25	1.46	.97	1.40	.13	.06	.04	.08

CAL YR 1971 TOTAL 36.250.30 MEAN 99.3 MAX 5.850 MIN 1.0 CFSM .58 IN 7.93
WTR YR 1972 TOTAL 36.033.08 MEAN 98.5 MAX 5.310 MIN .15 CFSM .58 IN 7.88

PEAK DISCHARGE (BASE, 5,000 CFS)

NOTE.--Doubtful gage-height record May 18 to June 24.

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
01-04	1500	13.40	7,850				

02440500 Chuquatonchee Creek near West Point, Miss.

LOCATION.--Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., R.6 E., Chickasaw meridian, Clay County, near left bank on downstream side of bridge on State Highway 50, 3 miles west of West Point, and 3.5 miles upstream from mouth.

DRAINAGE AREA.--514 sq mi.

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only October 1946 to September 1947, published in WSP 1304. Prior to October 1950, published as Sakatonchee River near West Point; October 1950 to September 1965, published as Chookatonchee Creek near West Point.

GAGE.--Water-stage recorder. Datum of gage is 170.10 ft above mean sea level (levels by Corps of Engineers). Prior to Aug. 3, 1949, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--29 years, 742 cfs (19.60 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,200 cfs Jan. 5 (gage height, 18.79 ft); minimum daily, 1.0 cfs Sept. 16.
Period of record: Maximum discharge, 45,800 cfs Mar. 29, 1951 (gage height, 23.55 ft): no flow at times.

REMARKS.--Records fair. Occasional slight regulation at low water, the result of releases from Davis Lake.

COOPERATION.--Gage-height record and 7 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1944(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	2.6	14	395	442	149	328	369	38	190	79	2.0
2	3.2	2.2	16	3,320	291	1,940	207	256	31	88	28	1.7
3	2.6	2.0	247	4,580	221	3,640	164	560	30	48	14	1.5
4	2.6	2.4	260	10,900	183	4,090	561	705	27	94	9.2	3.2
5	2.6	4.4	208	13,200	155	3,530	1,060	519	25	203	6.5	3.8
6	3.2	8.9	1,090	12,200	169	1,680	795	211	22	92	17	17
7	26	5.0	2,550	6,980	402	628	417	374	21	36	7.7	12
8	24	4.6	2,620	3,310	374	2,730	270	1,990	18	31	3.6	4.0
9	18	5.3	2,180	1,330	279	3,250	192	3,190	15	26	55	3.0
10	11	5.3	1,300	1,600	194	2,770	150	6,190	13	19	59	3.0
11	5.3	5.9	923	2,550	159	1,900	128	4,720	12	16	4.6	5.6
12	4.0	4.4	626	3,060	149	776	117	2,270	9.2	12	3.4	3.6
13	2.8	4.4	1,620	3,120	208	349	110	1,020	7.4	8.6	3.4	2.6
14	2.6	4.2	1,520	1,880	241	268	103	998	6.8	7.7	17	1.7
15	2.0	4.4	1,070	757	200	228	92	635	5.9	7.4	7.4	1.3
16	1.8	4.4	628	342	165	234	159	340	27	11	10	1.0
17	1.8	4.2	1,040	239	162	669	675	226	34	32	6.8	4.3
18	1.7	4.4	1,320	216	247	612	537	210	32	29	3.8	35
19	1.5	5.9	1,100	211	299	361	291	166	29	26	3.0	735
20	1.5	8.9	595	209	226	258	160	121	26	21	2.4	160
21	1.4	15	328	202	164	200	114	89	18	9.5	2.4	34
22	1.4	17	225	194	139	172	776	74	12	5.0	2.0	15
23	1.7	12	162	202	208	153	2,470	64	7.4	5.9	1.7	6.2
24	26	8.9	121	187	196	132	4,450	56	6.5	50	1.7	3.8
25	40	7.4	98	167	200	140	2,540	53	14	24	12	3.6
26	15	6.8	90	145	160	284	609	53	238	27	62	3.4
27	4.8	5.0	92	124	183	244	162	44	144	71	22	3.4
28	3.4	5.6	84	121	198	376	104	38	96	51	18	3.0
29	2.6	8.6	76	173	170	880	90	35	393	41	8.3	3.8
30	2.2	11	70	480	------	1,040	252	34	454	27	3.0	219
31	2.6	------	79	574	------	664	------	36	------	54	2.6	------
TOTAL	224.3	191.1	22,352	72,968	6,384	34,347	18,083	25,646	1,812.2	1,363.1	476.5	1,296.5
MEAN	7.24	6.37	721	2,354	220	1,108	603	827	60.4	44.0	15.4	43.2
MAX	40	17	2,620	13,200	442	4,090	4,450	6,190	454	203	79	735
MIN	1.4	2.0	14	121	139	132	90	34	5.9	5.0	1.7	1.0
CFSM	.01	.01	1.40	4.58	.43	2.16	1.17	1.61	.12	.09	.03	.08
IN.	.02	.01	1.62	5.28	.46	2.49	1.31	1.86	.13	.10	.03	.09

CAL YR 1971 TOTAL 258,368.50 MEAN 708 MAX 14,300 MIN .70 CFSM 1.38 IN 18.70
WTR YR 1972 TOTAL 185,143.70 MEAN 506 MAX 13,200 MIN 1.0 CFSM .98 IN 13.40

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-05	2300	18.79	14,200				

02441000 Tibbee Creek near Tibbee, Miss.

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw meridian, Clay County, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mile north of Tibbee, 4.5 miles upstream from Magee Creek, 5 miles south of West Point, and 9.8 miles upstream from Catalpa Creek.

DRAINAGE AREA.--928 sq mi.

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1304. Prior to October 1950, published as Tibbee River near Tibbee.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft above mean sea level (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--35 years (1928-30, 1939-72), 1,242 cfs (18.17 inches per year).

EXTREMES.--Current year: Maximum discharge, 33,300 cfs Jan. 5 (gage height, 27.64 ft); minimum, 2.4 cfs Aug. 23-24.
Period of record: Maximum discharge, 75,200 cfs Mar. 29, 1951 (gage height, 30.82 ft); no flow at times many years.
Maximum stage known, 31.5 ft in December 1926, from information by local residents.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	27	4.5	543	916	273	902	796	51	595	104	36
2	50	27	6.6	4,060	606	1,500	489	533	42	250	45	45
3	43	30	467	8,840	465	5,890	352	955	36	118	19	40
4	39	28	798	18,600	378	8,260	577	1,510	32	515	12	35
5	39	26	598	31,600	304	6,930	1,360	1,730	28	1,350	10	38
6	38	18	1,740	28,300	320	4,960	1,500	787	24	938	8.7	37
7	45	12	3,960	17,400	843	2,250	863	556	21	278	14	54
8	57	7.3	5,720	9,400	1,020	4,280	518	2,300	19	132	7.0	72
9	50	5.6	5,190	5,750	762	10,100	380	4,620	16	79	4.5	61
10	43	5.9	3,690	4,640	494	9,870	280	6,610	14	50	220	50
11	38	7.0	2,500	6,520	371	6,010	228	6,920	14	33	24	43
12	35	8.0	1,750	7,520	338	3,010	201	5,190	13	26	6.6	36
13	34	6.6	2,640	6,250	482	824	186	2,600	12	19	4.2	29
14	32	5.6	3,480	4,730	536	580	174	1,540	11	21	27	25
15	31	4.5	2,870	2,550	458	479	155	1,220	10	16	24	22
16	29	3.9	1,630	863	371	424	176	629	17	16	21	21
17	29	4.2	2,370	567	320	737	675	397	105	22	19	25
18	29	3.9	3,420	482	393	927	759	332	157	41	12	85
19	27	3.6	3,650	455	559	629	470	278	85	38	7.7	891
20	27	3.9	2,100	450	465	477	255	202	69	28	5.2	634
21	26	4.5	961	428	354	373	176	152	40	19	4.2	186
22	26	7.7	645	402	289	302	549	122	24	12	3.6	80
23	27	8.7	448	371	284	266	1,790	102	19	9.1	2.7	43
24	171	9.1	334	326	304	228	4,740	87	12	35	3.3	32
25	149	6.3	260	289	318	239	5,470	77	84	43	9.4	27
26	77	5.9	217	250	300	446	2,890	74	621	17	53	25
27	47	8.7	196	217	308	491	373	67	807	78	37	25
28	36	8.4	185	204	330	575	193	56	559	67	16	25
29	32	3.0	162	268	310	1,390	149	48	453	61	16	26
30	29	4.9	183	930	------	2,370	310	45	908	33	9.4	196
31	29	------	275	1,190	------	2,070	------	45	------	24	6.3	------
TOTAL	1,429	305.2	52,450.1	164,395	13,198	77,160	27,140	40,580	4,303	4,963.1	755.8	2,944
MEAN	46.1	10.2	1,692	5,303	455	2,489	905	1,309	143	160	24.4	98.1
MAX	171	30	5,720	31,600	1,020	10,100	5,470	6,920	908	1,350	220	891
MIN	26	3.0	4.5	204	284	228	149	45	10	9.1	2.7	21
CFSM	.05	.01	1.82	5.71	.49	2.68	.98	1.41	.15	.17	.03	.11
IN.	.06	.01	2.19	6.59	.53	3.09	1.09	1.63	.17	.20	.03	.12

CAL YR 1971 TOTAL 513,120.6 MEAN 1,406 MAX 25,700 MIN 2.7 CFSM 1.52 IN 20.57
WTR YR 1972 TOTAL 389,623.2 MEAN 1,065 MAX 31,600 MIN 2.7 CFSM 1.15 IN 15.62

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-05	1530	27.64	33,300	03-09	2130	24.18	12,700

02441500 Tombigbee River at Columbus, Miss.

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville meridian, Lowndes County, on left bank at Columbus, 1,200 ft downstream from bridge on U.S. Highways 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 miles upstream from Luxapallila Creek, 6.7 miles downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,490 sq mi, approximately.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected in this vicinity since 1890 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at various sites within a quarter of a mile of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Since Oct. 1, 1968, auxiliary nonrecording gage 2.1 miles upstream from base gage at datum 128.82 ft above mean sea level. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 miles upstream at different datum.

AVERAGE DISCHARGE.--57 years, 6,221 cfs (18.82 inches per year).

EXTREMES.--Current year: Maximum discharge, 62,900 cfs Jan. 7 (gage height, 32.98 ft); minimum, 282 cfs Sept. 17 (gage height, 1.13 ft).

Period of record: Maximum discharge, 148,000 cfs Jan. 7, 1949 (gage height, 39.32 ft); minimum, 138 cfs Sept. 20, 1954; minimum gage height observed, -0.1 ft Oct. 9-12, 1911, present datum.

Flood of Apr. 8, 1892, reached an elevation of 173.0 ft above mean sea level at site 1,100 ft upstream (corresponding stage at gage, about 44 ft).

REMARKS.--Records fair. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-1903, 1950.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBFR 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,050	840	1,070	4,290	6,860	2,970	7,850	3,230	1,660	3,660	2,200	450
2	904	798	1,120	15,400	5,750	6,350	6,890	3,160	1,700	2,890	2,120	410
3	820	840	2,480	21,600	5,030	15,000	6,280	3,580	1,560	2,350	1,640	370
4	880	996	4,180	30,500	4,520	18,300	6,650	4,120	1,370	2,460	1,270	360
5	1,010	1,210	4,480	43,200	4,110	19,400	9,290	4,210	1,260	3,630	1,120	440
6	880	1,520	7,420	55,800	3,820	18,100	10,300	3,600	1,150	3,470	972	425
7	952	1,310	16,200	62,000	4,790	14,500	8,850	2,550	1,070	2,740	840	410
8	940	1,080	18,300	61,600	5,990	16,600	7,110	7,170	1,020	2,260	768	460
9	898	972	17,500	56,700	5,700	19,900	6,100	12,100	960	1,800	756	470
10	804	906	14,500	51,200	4,780	20,600	5,620	15,000	918	1,540	1,040	465
11	738	870	13,500	48,400	4,100	19,000	5,140	16,700	870	1,230	864	463
12	690	852	11,400	44,900	3,830	14,500	4,470	16,700	846	1,080	756	430
13	660	852	14,300	39,200	4,120	9,310	4,040	13,800	852	984	720	402
14	660	840	15,400	33,900	4,400	6,720	3,650	9,810	1,000	906	864	364
15	650	804	15,100	27,800	4,320	5,890	3,360	7,850	942	840	912	326
16	615	780	14,200	20,700	3,940	5,410	3,310	5,720	906	822	1,010	304
17	605	780	16,500	15,200	3,680	6,300	5,150	4,310	1,300	714	936	309
18	600	750	19,300	10,400	3,970	6,720	6,100	3,560	2,020	768	792	430
19	580	762	17,700	7,180	4,430	6,040	5,340	3,310	2,020	852	640	1,980
20	575	810	14,500	5,990	4,220	5,440	4,380	3,060	1,660	798	560	3,110
21	575	900	11,200	5,500	3,690	4,820	3,610	2,560	1,310	768	520	2,280
22	590	966	8,920	5,230	3,290	4,320	5,180	2,230	1,060	732	470	1,590
23	610	1,010	6,880	4,980	3,120	3,990	10,600	2,010	918	714	450	1,190
24	868	960	5,480	4,760	3,150	3,800	12,100	1,840	822	708	500	1,070
25	1,580	918	4,490	4,380	3,150	4,060	13,000	1,780	840	720	800	948
26	1,380	918	3,900	4,060	3,090	4,760	13,300	2,190	2,090	780	1,400	930
27	1,380	918	3,460	3,780	3,060	5,380	8,660	2,420	3,350	852	960	888
28	1,260	936	3,150	3,540	3,090	5,330	5,100	2,270	3,360	1,120	828	816
29	1,080	948	2,930	3,970	3,040	7,600	3,510	1,900	3,300	1,120	624	894
30	978	996	2,810	7,000	------	9,430	2,990	1,650	4,180	912	540	1,230
31	894	------	3,170	7,960	------	9,450	------	1,560	------	1,020	490	------
TOTAL	26,706	28,042	295,540	711,120	121,040	299,990	197,930	165,950	46,314	45,240	28,362	24,214
MEAN	861	935	9,534	22,940	4,174	9,677	6,598	5,353	1,544	1,459	915	807
MAX	1,580	1,520	19,300	62,000	6,860	20,600	13,300	16,700	4,180	3,660	2,200	3,110
MIN	575	750	1,070	3,540	3,040	2,970	2,990	1,560	822	708	450	304
CFSM	.19	.21	2.12	5.11	.93	2.16	1.47	1.19	.34	.32	.20	.18
IN.	.22	.23	2.45	5.89	1.00	2.49	1.64	1.37	.38	.37	.23	.20

CAL YR 1971 TOTAL 2,690,818 MEAN 7,372 MAX 60,200 MIN 575 CFSM 1.64 IN 22.29
WTR YR 1972 TOTAL 1,990,448 MEAN 5,438 MAX 62,000 MIN 304 CFSM 1.21 IN 16.49

02443000 Luxapallila Creek at Steens, Miss.

LOCATION.--Lat 33°33'35", long 88°18'55", in NE¼ sec.27, T.17 S., R.17 W., Huntsville meridian, Lowndes County, on left bank at downstream side of highway bridge, 0.2 mile southeast of Steens, 1 mile upstream from Yellow Creek, and 6.5 miles northeast of Columbus.

DRAINAGE AREA.--309 sq mi.

PERIOD OF RECORD.--October 1943 to September 1947, October 1949 to current year. Prior to October 1966, published as Luxapalila Creek at Steens.

GAGE.--Water-stage recorder. Datum of gage is 179.45 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--27 years, 466 cfs (20.48 inches per year).

EXTREMES.--Current year: Maximum discharge, 6,150 cfs Jan. 6 (gage height, 16.42 ft); minimum, 44 cfs Sept. 16 (gage height, 2.92 ft).

Period of record: Maximum discharge, 14,200 cfs Feb. 23, 1961 (gage height, 18.90 ft), from rating curve extended above 8,300 cfs on basis of records for station near Fayette, Alabama; minimum, 23 cfs Aug. 14, 1954 (gage height, 2.52 ft).

Flood of Jan. 6, 1949, reached a stage of 19.2 ft (discharge, about 16,000 cfs).

REMARKS.--Records good.

COOPERATION.--Gage-height record and 7 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1172: 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	104	124	380	600	271	431	184	120	130	117	52
2	125	105	121	910	493	548	356	175	109	107	98	51
3	112	116	291	2,870	464	1,460	305	185	101	95	81	50
4	105	146	772	3,170	493	1,210	395	201	95	112	76	50
5	117	164	783	5,540	479	774	675	178	93	164	73	52
6	202	135	648	5,590	440	631	605	151	92	192	69	80
7	199	118	1,930	2,670	532	520	460	149	85	128	69	72
8	149	108	3,160	1,220	772	800	387	173	83	102	65	64
9	125	104	1,270	907	61[illegible]	1,360	360	199	81	93	76	60
10	113	103	720	1,780	505	907	332	194	77	84	114	56
11	107	103	657	4,060	445	655	294	159	77	77	102	53
12	102	105	859	2,640	424	548	278	144	77	74	92	50
13	98	105	851	1,420	428	486	268	161	77	69	77	48
14	96	104	1,400	1,030	452	445	254	276	76	65	75	47
15	93	105	1,010	782	419	414	239	294	74	64	76	45
16	92	104	1,100	626	380	404	256	211	93	70	70	45
17	90	103	2,120	545	367	414	287	180	109	70	65	48
18	87	99	2,790	510	364	414	301	169	110	69	60	64
19	82	102	1,560	491	391	369	247	174	112	68	59	118
20	80	107	960	508	382	344	214	148	108	69	56	185
21	80	109	818	592	338	314	198	133	86	66	57	108
22	82	108	727	691	319	294	416	124	76	68	59	82
23	93	109	564	587	314	281	834	116	69	64	64	73
24	143	117	469	510	306	268	647	112	62	86	80	68
25	173	118	414	452	299	283	380	129	60	110	80	66
26	182	125	376	398	290	342	261	199	84	90	72	63
27	149	125	346	358	276	367	235	182	159	84	66	64
28	127	125	327	350	276	340	210	136	144	83	62	64
29	116	126	308	389	266	488	195	120	180	76	60	82
30	107	122	310	535	------	644	188	114	196	77	57	112
31	104	------	321	720	------	556	------	115	------	79	54	------
TOTAL	3,670	3,424	28,106	43,231	12,154	17,151	10,528	5,185	2,965	2,785	2,281	2,072
MEAN	118	114	907	1,395	419	553	351	167	98.8	89.8	73.6	69.1
MAX	202	164	3,160	5,590	772	1,460	834	294	196	192	117	185
MIN	80	99	121	350	266	268	188	112	60	64	54	45
CFSM	.38	.37	2.94	4.51	1.36	1.79	1.14	.54	.32	.29	.24	.22
IN.	.44	.41	3.38	5.20	1.46	2.06	1.27	.62	.36	.34	.27	.25

CAL YR 1971 TOTAL 196,416 MEAN 538 MAX 8,420 MIN 75 CFSM 1.74 IN 23.65
WTR YR 1972 TOTAL 133,552 MEAN 365 MAX 5,590 MIN 45 CFSM 1.18 IN 16.08

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-06	0300	16.42	6,150				

02444500 Tombigbee River near Cochrane, Ala.

LOCATION.--Lat 33°04'45", long 88°14'18", in sec. 7, T. 24 N., R. 2 W., Pickens County, near left bank on downstream side of bridge on State Highway 17, 200 ft upstream from Alabama, Tennessee and Northern Railroad bridge, 1.2 miles northeast of Cochrane, 2.2 miles downstream from Boguechitto Creek, 7 miles southwest of Aliceville, and at mile 271.4.

DRAINAGE AREA.--5,990 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for period October to December 1938, published in WSP 1304. Gage-height records collected at same site November 1909 to September 1924 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft above mean sea level. Prior to July 10, 1939, nonrecording gage at site 200 ft downstream at same datum. Since Jan. 30, 1940, auxiliary water-stage recorder or nonrecording gage 14 miles downstream from base gage at datum 7.76 ft lower.

AVERAGE DISCHARGE.--33 years, 8,172 cfs (18.53 inches per year).

EXTREMES.--Current year: Maximum discharge, 58,700 cfs Mar. 12; maximum gage height, 39.74 ft Mar. 12; minimum daily discharge, 610 cfs Sept. 16, 17.

Period of record: Maximum discharge, 163,000 cfs Jan. 9, 1949; maximum gage height, 46.9 ft Jan. 9, 1949; minimum discharge, 165 cfs Sept. 21, 1954 (gage height, 2.34 ft).

Flood in April 1892 reached a stage of 50.2 ft present datum (discharge not determined), from reports of U.S. Weather Bureau.

REMARKS.--Records fair. Records for water year 1971 are published on the following page.

COOPERATION.--Gage-height record and seven discharge measurements furnished by the Corps of Engineers.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.060	1.330	1.440	4.750	11.000	4.030	11.000	3.580	1.900	4.520	1.230	734
2	1.730	1.260	1.570	10.300	8.900	5.940	9.100	3.820	1.800	3.830	2.540	680
3	1.510	1.240	3.770	21.200	7.930	14.800	8.000	3.720	1.900	3.120	2.360	674
4	1.470	1.280	6.370	28.500	7.070	18.600	7.800	4.420	1.800	2.780	1.860	668
5	1.650	1.460	6.920	33.600	6.470	21.100	9.600	4.760	1.700	3.270	1.500	680
6	2.550	1.740	11.200	39.200	6.490	22.200	11.500	4.670	1.500	4.080	1.330	674
7	1.930	2.010	22.300	46.000	10.300	20.600	11.500	3.760	1.410	3.740	1.170	680
8	1.650	1.770	23.900	51.700	8.070	21.000	9.690	3.820	1.310	2.920	1.040	746
9	1.530	1.530	24.200	54.500	8.180	23.000	7.840	8.900	1.260	2.600	1.030	758
10	1.410	1.400	22.400	57.300	7.430	24.000	7.120	14.000	1.190	2.100	1.100	770
11	1.300	1.310	20.400	55.900	6.640	23.000	6.510	17.000	1.140	1.780	1.360	758
12	1.190	1.260	16.700	54.900	6.000	21.000	5.900	18.700	1.090	1.500	1.200	722
13	1.130	1.250	15.100	50.300	6.190	15.000	5.300	18.000	1.050	1.310	1.070	698
14	1.100	1.260	17.600	48.000	6.290	10.100	4.700	14.500	1.070	1.200	1.000	836
15	1.070	1.240	18.000	44.000	6.290	9.000	4.270	10.200	1.250	1.110	1.090	644
16	1.050	1.190	17.500	39.000	5.910	8.100	4.040	8.510	1.210	1.060	1.140	610
17	1.040	1.170	20.200	34.000	5.430	7.800	4.430	6.630	1.160	1.020	1.220	610
18	1.020	1.160	24.100	27.000	5.760	8.400	6.750	4.930	1.640	974	1.140	680
19	986	1.210	24.900	17.000	6.350	9.200	6.670	4.100	2.350	974	1.000	746
20	974	1.130	23.300	11.000	6.190	7.900	5.870	4.090	2.280	1.040	908	2.350
21	962	1.180	17.800	9.500	5.570	6.540	4.740	3.420	1.920	998	830	3.200
22	950	1.250	13.100	8.500	4.800	5.940	4.360	2.950	1.550	950	782	2.480
23	956	1.370	10.000	7.700	4.390	5.410	8.000	2.650	1.220	938	752	1.790
24	1.120	1.420	7.860	7.100	4.270	4.890	13.000	2.500	1.140	908	764	1.370
25	1.580	1.380	6.500	6.570	4.270	4.880	15.000	2.400	1.180	950	764	1.200
26	2.280	1.330	6.110	6.010	4.260	5.600	15.000	2.600	1.250	926	854	1.050
27	2.060	1.340	5.320	5.530	4.140	6.510	10.000	2.750	2.780	1.020	902	1.010
28	1.970	1.360	4.720	5.140	4.090	6.640	7.300	2.880	3.740	1.050	1.120	968
29	1.790	1.380	4.370	5.100	4.040	8.100	5.230	2.630	3.640	1.170	1.040	914
30	1.570	1.380	4.140	10.000	------	10.000	3.920	2.400	4.030	1.330	872	998
31	1.420	------	4.260	12.000	------	12.000	------	2.100	------	1.240	782	------
TOTAL	45.008	40.590	406.050	811.300	182.720	371.480	234.140	191.390	52.460	56.408	35.750	30.698
MEAN	1.452	1.353	13.100	26.170	6.301	11.980	7.805	6.174	1.749	1.820	1.153	1.023
MAX	2.550	2.010	24.900	57.300	11.000	24.000	15.000	18.700	4.030	4.520	2.540	3.200
MIN	950	1.130	1.440	4.750	4.040	4.030	3.920	2.100	1.050	908	752	610
CFSM	.24	.23	2.19	4.37	1.05	2.00	1.30	1.03	.29	.30	.19	.17
IN.	.28	.25	2.52	5.04	1.13	2.31	1.45	1.19	.33	.35	.22	.19

CAL YR 1971 TOTAL 3.406.618 MEAN 9.333 MAX 60.100 MIN 950 CFSM 1.56 IN 21.16

WTR YR 1972 TOTAL 2.457.994 MEAN 6.716 MAX 57.300 MIN 610 CFSM 1.12 IN 15.27

02444500 Tombigbee River near Cochrane, Ala.

LOCATION.--Lat 33°04'45", long 88°14'18", in sec.7, T.24 N., R.2 W., Pickens County, near left bank on downstream side of bridge on State Highway 17, 200 ft upstream from Alabama, Tennessee and Northern Railroad bridge, 1.2 miles northeast of Cochrane, 2.2 miles downstream from Boguechitto Creek, 7 miles southwest of Aliceville, and at mile 271.4

DRAINAGE AREA.--5,990 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to September 1971. Monthly discharge only for period October to December 1938, published in WSP 1304. Gage-height records collected at same site November 1909 to September 1924 are contained in reports of the U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft above mean sea level. Prior to July 10, 1939, nonrecording gage at site 200 ft downstream at same datum. Since Jan. 30, 1940, auxiliary water-stage recorder of nonrecording gage 14 miles downstream from base gage at datum 7.76 ft lower.

AVERAGE DISCHARGE.--33 years, 8,216 cfs (18.63 inches per year).

EXTREMES.--Water year 1971: Maximum discharge, 60,300 cfs Mar. 3; maximum gage height, 39.76 ft Mar. 4; minimum daily discharge, 722 cfs Oct. 6.

Period of record: Maximum discharge, 163,000 cfs Jan. 9, 1949; maximum gage height, 46.9 ft Jan. 9, 1949; minimum discharge, 165 cfs Sept. 21, 1954 (gage height, 2.34 ft).

Flood in April 1892 reached a stage of 50.2 ft present datum (discharge not determined), from reports of U.S. Weather Bureau.

REMARKS.--Records fair.

COOPERATION.--Gage-height record and eight discharge measurements furnished by the Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	842	6,780	2,330	11,700	21,100	51,300	29,000	16,700	3,860	1,850	7,040	1,580
2	836	5,900	2,260	11,700	17,100	53,800	28,300	16,700	3,340	1,710	4,330	1,840
3	800	4,190	2,190	9,900	12,300	60,100	27,500	14,300	3,220	1,770	3,600	4,090
4	776	3,150	2,170	9,000	7,690	59,700	26,500	10,500	3,140	1,840	3,380	6,720
5	740	2,680	2,110	9,170	10,400	56,000	25,300	7,200	2,990	1,700	3,030	5,310
6	722	2,410	2,050	11,800	15,600	50,200	24,100	5,460	2,670	1,570	2,740	2,810
7	734	2,220	1,970	12,200	16,100	44,300	18,300	4,570	2,620	1,420	2,760	2,330
8	728	2,070	1,900	11,500	15,200	39,000	13,900	4,260	2,930	1,340	2,560	1,960
9	812	1,980	1,850	9,840	13,000	33,400	10,500	4,140	3,780	1,280	3,010	1,840
10	884	1,930	1,840	7,030	10,100	27,700	8,540	4,410	3,200	1,220	3,210	1,760
11	926	2,520	1,850	6,470	7,630	21,600	7,300	12,300	2,650	1,170	3,180	1,500
12	1,350	3,650	2,360	6,080	6,710	19,200	7,020	14,100	2,410	1,180	3,280	1,490
13	1,870	3,580	2,410	5,910	7,540	17,400	6,350	27,100	2,360	1,160	3,520	1,370
14	6,630	3,230	2,710	5,540	10,700	19,500	5,840	34,100	2,090	1,120	3,430	1,410
15	9,040	2,810	3,020	6,120	12,100	20,300	5,390	36,600	1,850	1,070	3,240	1,380
16	9,110	3,450	3,170	6,330	10,700	20,500	5,040	36,600	1,720	1,080	3,070	1,320
17	5,790	3,940	3,050	6,740	9,570	20,400	4,740	35,000	1,670	1,360	2,560	4,120
18	3,340	3,610	3,110	5,810	7,260	19,100	4,510	33,000	1,740	1,530	2,260	10,300
19	3,600	3,140	3,380	5,220	6,980	17,100	4,330	31,000	2,280	1,380	2,120	7,880
20	4,450	3,750	3,500	4,800	11,700	18,900	4,150	27,000	3,420	1,380	1,900	4,300
21	3,350	4,430	3,430	4,510	20,600	19,600	4,250	18,000	2,810	1,870	2,010	2,820
22	3,420	5,410	4,940	4,180	29,200	17,700	6,890	11,000	2,190	1,850	2,050	2,230
23	3,320	5,270	7,670	4,160	35,200	16,700	9,530	6,530	2,000	1,480	1,990	1,870
24	3,000	4,580	8,100	9,460	39,600	16,300	9,950	4,970	1,900	1,360	3,290	1,680
25	2,800	3,790	9,610	15,100	43,600	15,700	11,000	4,270	1,800	1,330	3,820	1,520
26	5,220	3,210	10,300	17,700	47,100	19,000	11,900	3,830	1,730	1,730	2,970	1,490
27	5,620	2,840	8,920	19,800	49,300	21,700	9,910	3,610	1,690	7,810	2,350	2,840
28	5,340	2,620	6,390	21,700	48,800	23,400	8,630	4,680	1,800	10,900	1,850	4,400
29	4,280	2,500	5,500	24,000		25,600	8,510	4,650	1,650	10,800	1,580	3,640
30	4,030	2,410	7,400	24,500	------	27,600	11,500	4,970	1,760	11,400	1,430	2,620
31	7,130	------	10,600	23,700	------	28,500	------	4,550	------	7,600	1,530	------
TOTAL	101,490	104,050	132,090	331,670	540,880	898,300	358,680	446,200	73,270	86,260	89,190	90,520
MEAN	3,274	3,468	4,261	10,700	19,320	28,980	11,960	14,390	2,442	2,783	2,877	3,017
MAX	9,110	6,780	10,600	24,500	49,300	60,100	29,000	36,600	3,860	11,400	7,040	10,300
MIN	722	1,930	1,840	4,160	6,710	15,700	4,150	3,610	1,650	1,070	1,430	1,320
CFSM	.55	.58	.71	1.79	3.23	4.84	2.00	2.40	.41	.46	.48	.50
IN.	.63	.65	.82	2.06	3.36	5.58	2.23	2.77	.46	.54	.55	.56

CAL YR 1970 TOTAL 3,485,192 MEAN 9,548 MAX 62,900 MIN 722 CFSM 1.59 IN 21.64
WTR YR 1971 TOTAL 3,252,600 MEAN 8,911 MAX 60,100 MIN 722 CFSM 1.49 IN 20.20

02448000 Noxubee River at Macon, Miss.

LOCATION.--Lat 33°06'05", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw meridian, Noxubee County, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mile upstream from Cedar Creek, 1.0 mile downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 miles downstream from Horse Hunters Creek, and 6.2 miles upstream from Running Water Creek.

DRAINAGE AREA.--812 sq mi.

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft above mean sea level (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--38 years, 938 cfs (15.69 inches per year).

EXTREMES.--Current year: Maximum discharge, 17,000 cfs Jan. 11 (gage height, 28.89 ft); minimum, 46 cfs Sept. 16, 17 (gage height, 5.99 ft).

Period of record: Maximum discharge, 52,000 cfs Mar. 30, 1951 (gage height, 32.97 ft); minimum, 22 cfs Aug. 25, 26, 1943 (gage height, 4.89 ft).

Flood in July 1892 reached a stage of about 34 feet, present site and datum, from information by local residents, and has not been exceeded since. Flood in December 1926 reached a stage of about 30 feet.

REMARKS.--Records good. Occasional slight regulation by Bluff Lake at low water.

REVISIONS (WATER YEARS).--WSP 1624: 1929-30, 1932.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	80	84	467	2,810	731	1,350	204	95	112	408	60
2	153	79	83	1,890	2,270	2,210	1,110	167	91	95	156	55
3	137	79	1,920	2,950	2,180	3,770	689	202	88	138	134	52
4	125	95	1,950	5,120	1,720	3,060	516	355	85	214	108	56
5	324	111	812	6,380	1,070	2,560	500	349	84	109	94	78
6	332	99	2,480	7,010	1,160	2,800	442	284	81	137	84	81
7	250	88	5,950	8,350	4,130	3,170	392	239	77	155	77	91
8	163	87	5,820	9,910	3,840	4,540	363	233	76	288	71	69
9	142	82	4,910	9,120	1,830	4,970	331	524	73	290	66	57
10	132	78	3,310	10,300	1,250	4,610	304	829	71	234	65	64
11	116	75	3,670	15,200	944	3,590	290	1,050	70	192	65	65
12	107	71	2,990	13,300	913	2,850	282	871	70	151	67	59
13	100	69	2,990	10,500	1,520	2,680	270	513	68	132	67	56
14	96	66	2,440	10,600	1,390	1,900	258	576	66	132	65	53
15	92	65	2,100	9,090	1,130	962	238	519	66	351	63	49
16	88	68	2,680	7,510	953	703	251	462	67	283	62	47
17	78	65	3,800	6,040	770	659	397	346	69	197	58	51
18	66	64	4,390	3,940	1,270	557	336	286	76	174	65	61
19	62	64	4,310	1,240	1,820	558	304	265	110	148	59	106
20	64	66	3,980	775	1,200	577	277	226	102	113	64	165
21	66	73	3,660	687	1,040	475	246	201	86	137	70	234
22	66	71	3,590	627	842	455	363	181	72	161	99	186
23	65	71	3,510	568	692	417	560	163	64	121	97	127
24	82	73	2,680	513	631	480	332	148	61	143	93	118
25	196	86	1,070	465	573	435	249	138	72	137	88	91
26	150	86	630	447	622	422	228	136	70	124	87	77
27	107	80	496	430	774	449	199	120	103	123	86	87
28	96	79	419	402	731	507	187	110	123	118	84	87
29	100	78	371	499	783	1,000	189	105	104	110	78	75
30	91	82	365	2,990	------	1,490	203	102	95	210	69	76
31	83	------	478	3,750	------	1,290	------	98	------	725	64	------
TOTAL	3,914	2,330	77,938	151,070	40,878	54,877	11,656	10,002	2,435	5,754	2,813	2,533
MEAN	126	77.7	2,514	4,873	1,410	1,770	389	323	81.2	186	90.7	84.4
MAX	332	111	5,950	15,200	4,130	4,970	1,350	1,050	123	725	408	234
MIN	62	64	83	402	573	417	187	98	61	95	58	47
CFSM	.16	.10	3.10	6.00	1.74	2.18	.48	.40	.10	.23	.11	.10
IN.	.18	.11	3.57	6.92	1.07	2.51	.53	.46	.11	.26	.13	.12

CAL YR 1971 TOTAL 483,106 MEAN 1,324 MAX 13,200 MIN 62 CFSM 1.63 IN 22.13
WTR YR 1972 TOTAL 366,200 MEAN 1,001 MAX 15,200 MIN 47 CFSM 1.23 IN 16.78

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	1400	24.06	6,160	3-08	2000	21.60	5,160
1-11	1800	28.89	17,000				

02448500 Noxubee River near Geiger, Ala.

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, near left bank on downstream side of bridge on State Highway 17, 0.5 mile upstream from Woodards Creek, 1 mile upstream from Alabama, Tennessee and Northern Railroad bridge, 4 miles north of Geiger, and at mile 16.9.

DRAINAGE AREA.--1,140 sq mi, approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966).

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft above mean sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mile downstream at datum 84.64 ft above mean sea level. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--28 years (1939-40, 1944-65, 1966-72), 1,404 cfs (16.71 inches per year).

EXTREMES.--Current year: Maximum discharge, 20,000 cfs Jan. 12 (gage height, 38.38 ft); minimum discharge, 61 cfs Sept. 17 (gage height, 3.20 ft).

Period of record: Maximum discharge, 37,600 cfs Mar. 31, 1951 (gage height, 42.7 ft); minimum discharge, 13 cfs July 7, 1954.

REMARKS.--Records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mile north of gage. Records for water year 1971 are published on the following page.

REVISIONS.--WSP 1384: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	98	93	763	4,030	936	1,300	266	126	129	782	79
2	203	92	96	1,810	3,030	2,170	1,270	287	121	138	519	74
3	172	95	1,880	3,120	2,740	4,930	1,080	258	116	145	263	71
4	148	91	3,220	6,090	2,610	4,640	787	237	109	241	180	67
5	170	87	2,290	9,370	1,940	3,490	655	353	107	413	153	81
6	244	108	3,840	9,590	1,780	2,870	551	434	105	229	129	97
7	357	120	9,450	8,530	5,670	2,740	489	369	103	157	112	92
8	288	106	10,100	7,210	6,590	4,360	447	333	98	164	100	96
9	198	95	8,670	6,640	5,170	5,840	423	302	94	231	96	96
10	147	92	6,970	11,300	2,660	5,440	396	449	93	364	142	83
11	134	90	5,490	18,700	1,540	4,670	378	644	94	308	98	70
12	123	88	4,500	19,000	1,440	3,520	363	838	88	222	100	70
13	111	87	3,260	17,600	2,280	2,650	368	799	85	212	112	72
14	102	85	2,910	16,000	2,110	2,420	352	482	84	166	97	69
15	98	85	2,340	13,800	1,690	1,900	342	501	86	181	88	66
16	96	82	2,080	11,800	1,370	1,130	328	505	86	212	85	64
17	94	80	2,560	10,500	1,250	821	328	499	82	206	84	63
18	90	78	3,710	9,360	2,230	761	422	444	82	254	80	89
19	83	75	3,940	7,780	3,060	1,670	438	369	83	199	79	355
20	73	74	4,330	4,250	2,260	1,330	373	342	82	164	78	153
21	68	73	4,530	1,300	1,490	822	364	303	81	171	75	184
22	69	71	3,690	824	1,210	645	343	267	95	148	72	230
23	73	80	3,160	779	1,010	577	501	243	97	136	76	578
24	85	91	2,930	710	854	522	556	224	83	127	102	381
25	88	94	2,360	652	778	541	414	205	97	137	94	228
26	125	87	1,210	608	817	554	284	186	168	181	79	154
27	200	98	692	572	1,280	516	251	177	116	133	72	132
28	148	98	560	558	1,110	553	247	168	101	161	64	130
29	113	91	484	588	919	747	243	151	127	172	73	105
30	109	87	456	2,340	------	1,260	245	140	149	191	67	122
31	107	------	698	4,410	------	1,480	------	134	------	501	84	------
TOTAL	4,379	2,678	102,499	206,554	64,918	66,505	14,538	10,949	3,038	6,393	4,253	4,151
MEAN	141	89.3	3,306	6,663	2,239	2,145	485	353	101	206	137	138
MAX	357	120	10,100	19,000	6,590	5,840	1,300	838	168	501	782	578
MIN	68	71	93	558	778	516	243	134	81	127	64	63
CFSM	.12	.08	2.90	5.84	1.96	1.88	.43	.31	.09	.18	.12	.12
IN.	.14	.09	3.34	6.74	2.12	2.17	.47	.36	.10	.21	.14	.14

CAL YR 1971 TOTAL 602,449 MEAN 1,651 MAX 10,900 MIN 68 CFSM 1.45 IN 19.66
WTR YR 1972 TOTAL 490,855 MEAN 1,341 MAX 19,000 MIN 63 CFSM 1.18 IN 16.02

02448500 Noxubee River near Geiger, Ala.

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, near left bank on downstream side of bridge on State Highway 17, 0.5 mile upstream from Woodards Creek, 1 mile upstream from Alabama, Tennessee and Northern Railroad bridge, and 4 miles north of Geiger.

DRAINAGE AREA.--1,140 sq mi, approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only); October 1966 to September 1971. (Monthly discharge only for period October to December 1966).

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft above mean sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mile downstream at datum 84.64 ft above mean sea level. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--27 years (1939-40, 1944-65, 1966-71), 1,406 cfs (16.74 inches per year).

EXTREMES.--Water year 1971: Maximum discharge, 11,100 cfs Feb. 23 (gage height, 33.00 ft); maximum gage height, 33.54 ft Mar. 4; minimum discharge, 53 cfs Oct. 9 (gage height, 2.99 ft).

Period of record: Maximum discharge, 37,600 cfs Mar. 31, 1951 (gage height, 42.7 ft); minimum discharge, 13 cfs July 7, 1954.

REMARKS.--Records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mile north of gage.

REVISIONS.--WSP 1384: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	167	113	1.780	424	8.130	2.240	3.940	298	151	1.260	399
2	111	177	108	853	327	8.190	2.700	4.040	290	139	980	477
3	83	192	105	612	284	9.600	3.300	3.360	261	135	758	1.190
4	67	198	102	1.910	267	9.440	2.850	2.570	250	143	566	2.880
5	61	163	99	3.310	1.330	8.490	2.340	2.260	235	185	424	2.160
6	56	135	98	1.110	2.820	8.070	1.890	2.390	232	298	473	1.040
7	55	116	95	473	2.100	8.030	1.690	2.390	230	286	966	418
8	55	105	91	396	1.990	7.740	1.330	1.890	374	208	620	282
9	65	98	88	472	1.320	6.980	898	966	618	170	595	210
10	275	95	86	718	1.220	5.990	695	844	575	197	429	164
11	228	103	85	800	891	4.510	603	3.560	498	221	325	138
12	116	95	1.690	672	625	2.750	545	5.170	372	210	271	124
13	132	96	682	527	1.100	3.170	514	8.000	278	187	235	118
14	385	109	267	498	1.19[illegible]	5.820	476	9.030	225	170	215	113
15	252	146	234	1.690	9[illegible]	5.640	459	8.540	197	157	223	107
16	161	137	394	1.950	821	4.720	445	8.220	176	156	217	103
17	265	123	443	989	842	3.270	420	8.260	161	198	184	2.760
18	292	130	306	658	702	2.270	399	8.380	172	433	162	5.720
19	2.160	149	263	513	620	4.050	397	8.480	147	795	147	5.010
20	5.220	350	580	436	3.040	5.040	383	8.300	146	640	138	2.700
21	2.120	374	751	388	6.160	4.180	392	7.610	139	703	131	1.200
22	431	234	551	388	10.000	3.300	712	5.200	140	885	133	712
23	278	187	424	450	10.900	2.410	842	1.170	137	761	143	448
24	202	168	705	792	9.800	2.080	704	495	140	710	186	320
25	177	153	469	1.060	8.190	2.010	578	424	143	769	408	256
26	164	160	316	1.420	7.280	3.720	504	379	130	632	506	258
27	136	151	269	1.240	8.930	3.420	423	346	124	530	281	226
28	114	135	251	1.030	9.110	2.250	392	394	168	1.560	170	653
29	113	124	863	882		2.080	377	452	263	2.350	127	664
30	214	118	1.700	738	------	3.100	1.600	346	170	2.440	109	424
31	216	------	2.200	563	------	2.800	------	308	------	1.810	104	------
TOTAL	14,374	4,688	14,428	29,318	93,235	153,250	31,098	117,714	7,289	18,229	11,486	31,274
MEAN	464	156	465	946	3,330	4,944	1,037	3,797	243	588	371	1,042
MAX	5,220	374	2,200	3,310	10,900	9,600	3,300	9,030	618	2,440	1,260	5,720
MIN	55	95	85	388	267	2,010	377	308	124	135	104	103
CFSM	.41	.14	.41	.83	2.92	4.34	.91	3.33	.21	.52	.33	.91
IN.	.47	.15	.47	.96	3.04	5.00	1.01	3.84	.24	.59	.37	1.02

CAL YR 1970 TOTAL 407,870 MEAN 1,117 MAX 9,360 MIN 51 CFSM .98 IN 13.31
WTR YR 1971 TOTAL 526,383 MEAN 1,442 MAX 10,900 MIN 55 CFSM 1.26 IN 17.18

02472000 Leaf River near Collins, Miss.

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens meridian, Covington County, on right bank at downstream side of bridge on U.S. Highway 84, 2 miles downstream from Oakohay Creek, 8 miles upstream from Big Creek, 9.5 miles northeast of Collins, and at mile 114.5.

DRAINAGE AREA.--752 sq mi.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 999 cfs (18.04 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,300 cfs Dec. 9 (gage height, 21.31 ft); minimum, 77 cfs Sept. 15 (gage height, 3.51 ft).

Period of record: Maximum discharge, 48,500 cfs Feb. 23, 1961 (gage height, 31.65 ft in gage well, 31.85 ft from outside gage); minimum, 55 cfs Aug. 28-30, 1957; minimum gage height, 3.51 ft Sept. 22, Oct. 5-6, 1970, Sept. 15, 1972.

Flood in April 1856, the highest known, reached a stage of about 33 ft, and the flood in April 1900 reached a stage of 32 ft, from information by local residents.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1906: 1950(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	114	234	1,050	4,700	1,000	1,200	370	146	366	306	96
2	149	149	303	1,100	5,200	3,000	750	500	141	213	226	92
3	141	149	1,220	1,650	4,700	5,700	570	650	139	170	168	89
4	136	125	1,120	2,850	3,600	5,200	1,000	454	134	155	140	87
5	133	120	1,120	6,400	2,700	4,000	1,500	349	133	159	125	85
6	167	116	1,550	5,500	2,000	2,300	1,200	295	130	168	115	84
7	190	113	3,820	5,550	4,300	1,500	1,000	294	129	170	108	84
8	246	109	8,440	3,800	5,700	1,700	800	695	128	149	104	85
9	217	113	13,700	2,400	5,400	2,600	650	482	128	136	99	85
10	173	129	9,150	3,050	4,200	2,500	550	344	130	127	99	84
11	150	141	5,300	6,060	2,500	1,800	480	296	161	120	104	83
12	139	132	4,100	10,100	2,300	1,200	420	337	167	116	132	82
13	133	127	3,400	9,000	3,500	900	380	1,180	141	118	113	82
14	129	121	2,900	5,000	3,400	800	350	866	153	256	114	81
15	125	119	2,700	2,850	2,500	700	340	603	147	263	144	82
16	121	116	2,600	1,950	1,800	1,000	650	476	344	178	127	86
17	124	115	2,550	1,400	1,350	1,900	800	358	315	152	119	88
18	124	114	2,600	1,100	1,100	1,700	550	315	195	136	115	89
19	124	118	2,100	950	1,100	1,200	450	270	155	133	106	90
20	121	125	2,150	1,250	1,300	800	380	234	140	128	103	94
21	121	133	2,250	1,400	1,050	650	340	213	130	124	97	90
22	121	129	2,000	2,000	850	574	950	199	127	115	110	88
23	121	124	1,550	1,900	750	520	1,050	188	123	109	112	94
24	116	140	1,120	1,550	680	480	580	181	119	107	141	98
25	114	164	910	1,300	640	450	450	175	120	105	119	97
26	115	159	820	1,050	620	430	350	168	141	108	106	88
27	115	162	750	800	610	420	300	164	143	223	107	108
28	114	159	720	700	600	670	263	159	128	281	108	107
29	112	200	1,000	850	600	2,000	450	156	278	188	101	103
30	110	236	1,300	2,100	------	2,200	450	155	788	242	98	96
31	109	------	1,400	3,800	------	1,800	------	150	------	332	95	------
TOTAL	4,268	4,071	84,877	91,460	69,750	51,694	19,203	11,275	5,354	5,347	3,861	2,697
MEAN	138	136	2,738	2,950	2,405	1,668	640	364	178	172	125	89.9
MAX	246	236	13,700	10,100	5,700	5,700	1,500	1,180	788	366	306	108
MIN	109	109	234	700	600	420	263	150	119	105	95	81
CFSM	.18	.18	3.64	3.92	3.20	2.22	.85	.48	.24	.23	.17	.12
IN.	.21	.20	4.20	4.52	3.45	2.56	.95	.56	.26	.26	.19	.13

CAL YR 1971 TOTAL 479,210 MEAN 1,313 MAX 13,700 MIN 109 CFSM 1.75 IN 23.71
WTR YR 1972 TOTAL 353,857 MEAN 967 MAX 13,700 MIN 81 CFSM 1.29 IN 17.50

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	1400	21.31	14,300	01-12	Unknown	†18.6	10,700

† From graph based on gage readings.

NOTE.--No gage-height record Dec. 10 to May 3.

02472500 Bowie Creek near Hattiesburg, Miss.

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens meridian, Forrest County, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1 mile upstream from Okatoma Creek, 2 miles southwest of Lux, and 10 miles northwest of Hattiesburg.

DRAINAGE AREA.--304 sq mi.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 423 cfs (18.90 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,730 cfs Dec. 7 (gage height, 14.35 ft); minimum, 119 cfs Sept. 16, 17 (gage height, 2.37 ft).

Period of record: Maximum discharge, 34,800 cfs Feb. 22, 1961 (gage height, 26.54 ft in gage well, 26.92 ft from outside gage); minimum, 83 cfs Aug. 29, 1957; minimum gage height, 2.37 ft Sept. 16, 17, 1972.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1906: 1943(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	127	217	281	1,460	750	320	206	161	326	239	132
2	144	130	693	276	994	1,580	280	198	158	374	176	138
3	140	162	2,190	290	1,320	2,150	262	229	156	238	157	145
4	134	160	1,170	1,440	1,070	1,440	326	241	155	190	147	133
5	137	140	689	3,100	680	891	388	215	153	210	140	129
6	138	134	1,700	1,890	601	616	312	194	152	260	136	127
7	134	132	4,460	1,060	2,410	449	301	334	150	231	133	127
8	133	130	3,580	689	1,760	729	275	1,320	149	200	130	127
9	130	134	2,010	515	894	912	251	530	155	175	128	127
10	127	141	1,340	588	593	650	239	340	155	160	130	126
11	126	147	1,180	1,690	479	520	232	297	173	155	129	124
12	124	146	678	1,640	566	421	231	683	246	144	181	123
13	124	142	479	1,360	771	364	236	1,190	202	152	162	122
14	124	141	429	950	601	338	217	683	179	183	158	121
15	124	139	965	570	479	324	210	423	171	165	161	121
16	123	138	1,510	406	598	645	253	301	311	152	149	119
17	124	138	1,190	352	1,160	499	408	253	251	152	144	122
18	127	138	1,060	332	669	372	288	239	195	149	140	123
19	125	141	760	324	475	344	236	217	152	144	136	126
20	125	148	2,140	1,010	392	316	215	202	126	143	132	124
21	131	154	1,870	1,040	358	297	206	194	125	147	129	124
22	128	149	1,020	2,530	346	292	244	188	125	142	129	130
23	126	146	570	1,590	370	280	278	182	124	139	168	131
24	152	145	427	1,070	378	268	388	179	123	136	150	139
25	134	147	361	664	346	260	444	174	130	137	159	133
26	129	151	325	471	328	255	264	171	135	139	177	133
27	128	152	303	398	312	251	212	168	128	152	203	150
28	131	190	286	370	297	484	206	167	128	148	186	152
29	127	349	274	415	299	551	207	165	134	142	157	162
30	127	260	208	1,440	------	466	214	165	214	149	142	156
31	128	------	286	2,000	------	376	------	162	------	287	135	------
TOTAL	4,060	4,651	34,430	30,751	21,006	18,090	8,143	10,210	4,916	5,621	4,743	3,946
MEAN	131	155	1,111	992	724	584	271	329	164	181	153	132
MAX	154	349	4,460	3,100	2,410	2,150	444	1,320	311	374	239	162
MIN	123	127	217	276	297	251	206	162	123	136	128	119
CFSM	.43	.51	3.65	3.26	2.38	1.92	.89	1.08	.54	.60	.50	.43
IN.	.50	.57	4.21	3.76	2.57	2.21	1.00	1.25	.60	.69	.58	.48

CAL YR 1971 TOTAL 151,373 MEAN 415 MAX 4,460 MIN 122 CFSM 1.37 IN 18.52
WTR YR 1972 TOTAL 150,567 MEAN 411 MAX 4,460 MIN 119 CFSM 1.35 IN 18.42

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	1000	14.35	4,730				

02473000 Leaf River at Hattiesburg, Miss.

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens meridian, Forrest County, on left bank at downstream side of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 300 ft downstream from Bowie Creek, 3,000 ft upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8.

DRAINAGE AREA.--1,760 sq mi. approximately.

PERIOD OF RECORD.--September 1938 to current year. Gage-height records collected in the same vicinity since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 2,488 cfs (19.20 inches per year).

EXTREMES.--Current year: Maximum discharge, 18,000 cfs Dec. 10 (gage height, 18.57 ft); minimum, 480 cfs Sept. 17, 18 (gage height, 3.38 ft).

Period of record: Maximum discharge, 72,200 cfs Feb. 23, 1961 (gage height, 31.53 ft); minimum, 318 cfs Oct. 22, 1963; minimum gage height, 3.38 ft Sept. 17, 18, 1972.

Flood in April 1900 reached a stage of about 33.6 ft, from reports of U.S. Weather Bureau.

REMARKS.--Records fair except those for periods of no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	799	548	1,140	2,440	10,800	3,800	3,240	1,140	680	1,500	1,330	552
2	744	582	2,020	2,220	9,980	6,480	2,210	1,090	660	1,400	1,050	567
3	710	659	8,420	2,940	10,700	7,600	1,800	1,210	640	1,200	849	577
4	680	717	6,640	6,900	9,200	7,900	1,700	1,400	620	1,100	715	558
5	655	641	4,270	15,300	6,550	8,000	1,860	1,430	610	1,280	650	546
6	639	597	5,630	14,300	5,220	6,650	2,050	1,200	605	1,000	617	540
7	658	566	14,000	11,200	9,650	4,460	2,180	1,110	600	850	591	534
8	720	538	17,300	8,610	10,500	4,060	2,230	6,000	600	780	570	525
9	778	539	16,500	5,740	8,760	5,890	1,730	5,000	605	740	561	531
10	725	567	17,000	5,330	8,570	5,640	1,510	2,100	640	690	558	525
11	660	603	16,700	11,600	6,580	4,780	1,400	1,500	720	641	564	513
12	626	649	9,740	13,800	4,760	3,680	1,330	3,500	820	625	602	513
13	602	629	5,590	14,400	5,530	2,780	1,280	5,000	1,000	773	735	508
14	593	602	4,300	13,900	5,580	2,450	1,230	4,500	870	773	668	500
15	584	582	4,530	8,790	5,290	2,280	1,200	3,500	800	962	654	498
16	581	573	8,380	4,470	5,010	2,600	1,210	2,500	920	900	664	500
17	577	573	6,300	3,280	5,410	3,140	1,310	1,800	1,100	740	654	493
18	582	573	5,860	2,690	4,370	3,230	1,410	1,600	940	672	690	498
19	583	577	5,420	2,490	3,280	3,110	1,460	1,400	820	659	609	513
20	577	579	9,520	3,620	2,860	2,440	1,240	1,200	780	650	581	519
21	576	591	10,900	5,630	2,730	2,050	1,170	1,100	750	650	558	513
22	576	613	6,130	9,200	2,490	1,880	1,200	1,000	710	633	558	540
23	584	617	4,420	8,940	2,380	1,760	1,370	950	690	613	602	540
24	684	617	3,330	5,970	2,410	1,630	1,580	880	680	595	629	540
25	662	617	2,680	4,540	2,250	1,530	1,720	840	670	584	650	531
26	584	641	2,360	3,410	2,100	1,480	1,500	810	670	605	650	552
27	586	668	2,150	2,780	1,970	1,460	1,190	790	690	790	672	591
28	582	784	2,010	2,490	1,860	1,930	1,080	770	670	950	650	605
29	576	1,810	1,940	2,460	1,910	3,340	1,090	730	780	843	629	595
30	567	1,390	2,240	5,530	------	4,310	1,100	710	900	710	577	617
31	556	------	2,390	10,700	------	4,140	------	690	------	1,280	558	------
TOTAL	19,606	20,242	212,010	215,670	158,700	116,480	46,580	57,450	22,240	26,188	20,649	16,134
MEAN	632	675	6,839	6,957	5,472	3,757	1,553	1,853	741	845	666	538
MAX	799	1,810	17,300	15,300	10,800	8,000	3,240	6,000	1,100	1,500	1,330	617
MIN	556	538	1,140	2,220	1,860	1,460	1,080	690	600	584	558	493
CFSM	.36	.38	3.89	3.95	3.11	2.13	.88	1.05	.42	.48	.38	.31
IN.	.41	.43	4.48	4.56	3.35	2.46	.98	1.21	.47	.55	.44	.34

CAL YR 1971 TOTAL 1,095,715 MEAN 3,002 MAX 18,600 MIN 538 CFSM 1.71 IN 23.16
WTR YR 1972 TOTAL 931,949 MEAN 2,546 MAX 17,300 MIN 493 CFSM 1.45 IN 19.70

NOTE.--No gage-height record May 8 to June 8, June 10 to July 10.

02473500 Tallahala Creek at Laurel, Miss.

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec. 8, T.8 N., R.11 W., St. Stephens meridian, Jones County, on right bank at downstream side of bridge on State Highway 15, 0.5 mile upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mile southeast of city limits of Laurel, and 6 miles upstream from Tallahoma Creek.

DRAINAGE AREA.--233 sq mi.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 320 cfs (18.65 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,050 cfs Jan. 13 (gage height, 16.72 ft); minimum, 4.4 cfs Sept. 23-24 (gage height, 1.64 ft).

Period of record: Maximum discharge, 21,100 cfs Apr. 7, 1964 (gage height, 23.13 ft); minimum, 1.8 cfs Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft Oct. 31, Nov. 1, 1963.

Maximum stage known since at least 1880, about 26 ft Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft, from information by local residents. Flood in April 1938 reached a stage of 20.7 ft, from information by Mississippi State Highway Department.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	22	102	213	1,140	484	748	86	36	43	75	9.9
2	36	23	225	374	1,170	815	444	81	34	34	165	9.3
3	32	43	542	452	1,720	1,090	226	78	33	31	64	8.3
4	31	77	680	897	2,130	1,120	235	96	31	31	35	7.4
5	40	58	682	1,510	1,780	1,270	350	96	30	30	28	6.7
6	30	48	829	1,790	1,490	1,720	514	102	29	30	21	6.5
7	27	37	1,390	2,700	1,620	1,730	476	100	27	32	18	6.5
8	26	30	1,390	2,790	1,510	1,070	279	160	26	29	16	6.5
9	28	28	1,150	2,330	1,220	701	201	335	29	27	14	6.5
10	29	25	1,280	1,910	1,200	686	164	240	28	23	12	6.5
11	26	26	1,790	1,560	1,480	739	139	152	27	20	12	6.3
12	24	30	1,850	1,920	1,470	839	125	119	26	23	15	6.3
13	22	29	1,240	3,750	821	596	115	550	26	31	12	6.0
14	22	30	679	2,780	664	312	107	1,240	29	41	11	6.0
15	22	29	483	2,170	704	254	97	1,700	39	169	11	6.0
16	21	27	741	1,650	755	239	190	1,760	35	144	11	6.0
17	21	25	944	736	609	279	245	895	41	81	11	6.0
18	21	24	886	354	470	460	326	215	47	64	11	5.8
19	20	26	870	303	407	606	248	150	58	45	12	5.8
20	20	25	1,040	620	330	573	152	114	47	36	12	5.6
21	20	25	1,180	890	288	428	108	92	35	29	12	5.3
22	20	26	1,030	1,080	249	315	214	78	31	25	14	4.9
23	19	27	804	1,090	252	232	636	68	27	23	12	4.4
24	20	30	605	944	257	195	729	61	25	19	11	5.1
25	20	30	327	852	238	171	338	58	26	18	9.9	8.1
26	20	32	243	697	219	160	153	53	26	17	25	8.6
27	24	33	211	387	201	156	107	49	24	16	20	11
28	26	79	192	290	186	188	88	45	27	15	15	9.9
29	26	106	185	305	228	362	77	42	72	22	12	11
30	24	105	202	821	------	580	79	40	51	27	11	11
31	24	------	212	1,110	------	696	------	39	------	24	10	------
TOTAL	782	1,155	23,984	39,275	24,808	19,066	7,910	8,894	1,022	1,199	717.9	213.2
MEAN	25.2	38.5	774	1,267	855	615	264	287	34.1	38.7	23.2	7.11
MAX	41	106	1,850	3,750	2,130	1,730	748	1,760	72	169	165	11
MIN	19	22	102	213	186	156	77	39	24	15	9.9	4.4
CFSM	.11	.17	3.32	5.44	3.67	2.64	1.13	1.23	.15	.17	.10	.03
IN.	.12	.18	3.83	6.27	3.96	3.04	1.26	1.42	.16	.19	.11	.03

CAL YR 1971 TOTAL 172,411.0 MEAN 472 MAX 6,810 MIN 19 CFSM 2.03 IN 27.53
WTR YR 1972 TOTAL 129,026.1 MEAN 353 MAX 3,750 MIN 4.4 CFSM 1.52 IN 20.60

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-13	0730	16.72	4,050				

02474500 Tallahala Creek near Runnelstown, Miss.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 miles south of Runnelstown, and 9 miles upstream from mouth.

DRAINAGE AREA.--612 sq mi.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft above mean sea level. Prior to Oct. 1, 1971, at datum 5.0 ft higher.

AVERAGE DISCHARGE.--33 years, 874 cfs (19.39 inches per year).

EXTREMES.--Current year: Maximum discharge, 5,300 cfs Jan. 16 (gage height, 17.14 ft); minimum 46 cfs Sept. 15-19, 21 (gage height, 4.89 ft).

Period of record: Maximum discharge, 32,800 cfs Feb. 24, 1961 (gage height, 29.84 ft in gage well, 30.07 ft from outside gage, present datum); minimum, 29 cfs Oct. 31, 1963; minimum gage height, 4.89 ft (present datum), Sept. 15-19, 21, 1972.

Maximum stage since about 1865, 30½ ft in April 1900; flood in December 1919 reached a stage of 26½ ft, and flood in about 1865 reached a stage between 26½ and 30½ ft, all from information by local residents, at datum 5.0 ft higher.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	96	404	854	3,090	2,020	1,510	280	143	447	140	112
2	168	137	830	805	2,910	3,070	1,370	288	137	280	113	81
3	149	113	2,880	1,230	3,130	3,700	986	988	129	186	228	60
4	134	101	2,200	2,190	3,330	3,240	791	418	123	233	192	55
5	125	144	2,000	4,340	3,510	2,890	1,060	348	118	211	127	53
6	134	244	2,710	4,470	3,690	2,640	1,100	339	113	153	100	53
7	137	176	4,720	4,110	4,530	2,660	1,180	577	109	152	92	52
8	115	140	4,120	4,170	4,640	3,070	1,050	2,300	109	119	76	52
9	129	123	3,600	4,440	3,800	3,100	735	1,250	108	101	67	53
10	125	116	3,730	4,570	3,140	2,220	577	1,020	104	88	62	51
11	116	114	3,970	4,650	2,620	1,780	469	819	109	81	58	49
12	109	103	3,410	4,310	2,680	1,720	437	992	158	75	61	49
13	101	114	3,430	3,830	3,030	1,700	401	1,340	128	75	62	48
14	96	124	3,190	4,130	2,420	1,340	370	2,290	116	127	107	48
15	93	118	2,330	5,000	2,290	921	348	2,440	109	175	96	46
16	89	114	2,830	5,190	2,430	928	394	2,560	114	306	88	47
17	88	108	2,610	4,420	2,330	924	721	2,620	125	452	84	46
18	87	102	2,630	2,640	2,020	896	840	1,920	118	266	77	47
19	86	98	2,430	1,300	1,420	1,140	833	798	141	197	62	46
20	83	95	3,780	1,540	1,150	1,240	580	505	172	147	59	47
21	82	96	4,270	2,980	963	1,120	411	354	155	119	54	48
22	81	97	3,450	3,700	889	906	1,090	328	129	103	53	49
23	81	95	2,660	4,050	833	763	882	280	120	86	55	53
24	80	106	2,050	3,310	861	631	1,470	248	107	80	60	54
25	80	109	1,530	2,490	847	562	1,600	225	102	70	68	52
26	88	112	1,060	2,000	756	505	907	208	109	67	62	55
27	110	115	844	1,530	691	478	505	192	104	251	91	77
28	137	152	742	1,160	628	640	382	178	93	132	89	72
29	120	643	679	988	625	892	330	168	111	76	76	67
30	109	536	655	1,460	------	1,110	315	159	487	85	64	80
31	101	------	879	2,860	------	1,420	------	152	------	162	60	------
TOTAL	3,427	4,555	76,693	94,687	65,253	50,230	23,666	26,624	4,000	5,102	2,683	1,702
MEAN	111	152	2,474	3,054	2,250	1,620	789	859	133	165	86.5	56.7
MAX	192	643	4,720	5,190	4,640	3,700	1,600	2,620	487	452	228	112
MIN	80	95	404	805	625	478	315	152	93	67	53	46
CFSM	.18	.25	4.04	4.99	3.68	2.65	1.29	1.40	.22	.27	.14	.09
IN.	.21	.28	4.66	5.76	3.97	3.05	1.44	1.62	.24	.31	.16	.10

CAL YR 1971 TOTAL 415,212 MEAN 1,138 MAX 7,340 MIN 80 CFSM 1.86 IN 25.24
WTR YR 1972 TOTAL 354,622 MEAN 968 MAX 5,190 MIN 46 CFSM 1.60 IN 21.80

02474600 Bogue Homo near Richton, Miss.

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec. 17, T. 5 N., R.10 W., St. Stephens meridian, Perry County, at bridge on county highway, 0.5 mile upstream from Linda Creek, 1.0 mile downstream from Sweetwater Creek, 3.5 miles upstream from State Highway 42, and 6.0 miles northwest of Richton.

DRAINAGE AREA.--344 sq mi.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 4,650 cfs Dec. 8 (gage height, 13.52 ft); minimum, 7.0 cfs Sept. 16 (gage height, 3.60 ft).

Period of record: Maximum discharge, 7,800 cfs Mar. 4, 1971 (gage height, 18.37 ft); minimum, 7.0 cfs Sept. 16, 1972, (gage height, 3.60 ft).

A flood prior to January 1941, reached a stage of 26½ ft and the flood of Mar. 21, 1943, reached a stage of 25.7 ft at site 3.5 miles downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 cfs was measured Oct. 16, 1963.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	73	261	427	1,300	1,050	510	96	38	33	19	22
2	44	63	582	485	1,310	2,360	533	96	32	26	19	88
3	39	53	1,910	452	1,930	3,020	395	196	28	20	18	33
4	33	41	2,200	1,130	2,310	2,590	305	169	25	20	16	20
5	52	38	1,660	2,120	1,980	2,300	365	132	25	22	15	18
6	47	33	2,100	2,780	1,640	2,210	463	97	24	28	14	17
7	70	29	3,850	3,110	2,740	1,830	402	218	23	24	15	14
8	56	26	4,140	3,020	3,370	1,530	399	1,700	21	20	13	12
9	41	26	3,070	2,590	2,580	1,380	312	1,380	20	18	12	11
10	33	27	3,020	2,150	1,970	1,010	226	803	20	18	17	11
11	30	25	3,910	2,180	1,690	833	167	670	21	18	16	10
12	26	24	3,090	1,740	1,590	806	120	1,010	24	18	19	9.8
13	23	24	1,950	1,230	1,570	776	109	1,190	20	24	16	9.5
14	21	25	1,390	1,080	1,170	578	102	1,030	20	29	17	9.1
15	22	24	1,120	1,100	886	392	94	806	20	67	17	8.8
16	27	24	1,830	1,140	966	402	184	914	21	56	27	7.7
17	29	22	2,210	990	1,410	529	261	1,640	20	44	20	8.4
18	34	21	1,640	616	1,580	413	204	1,870	18	58	16	9.1
19	60	21	1,430	358	1,080	351	270	1,340	17	49	14	8.8
20	77	22	2,860	768	829	324	318	552	17	42	13	8.8
21	149	21	3,760	1,620	696	312	204	179	17	38	12	11
22	179	20	3,070	2,830	525	361	757	116	26	33	11	33
23	199	24	2,180	3,370	413	354	882	91	25	29	11	24
24	215	29	1,750	3,440	395	264	445	77	20	27	12	16
25	215	29	1,430	3,020	385	202	420	67	20	24	11	12
26	215	27	1,130	2,250	378	169	518	57	20	51	11	11
27	199	27	727	1,740	348	149	563	57	19	164	16	12
28	147	41	442	1,260	305	258	312	53	17	35	17	14
29	97	181	354	844	273	375	132	46	28	23	15	12
30	82	305	315	738	------	506	104	43	52	20	12	16
31	77	------	382	1,210	------	481	------	41	------	19	11	------
TOTAL	2,590	1,345	59,763	51,788	37,619	28,115	10,076	16,736	698	1,097	472	497.0
MEAN	83.5	44.8	1,928	1,671	1,297	907	336	540	23.3	35.4	15.2	16.6
MAX	215	305	4,140	3,440	3,370	3,020	882	1,870	52	164	27	88
MIN	21	20	261	358	273	149	94	41	17	18	11	7.7
CFSM	.24	.13	5.60	4.86	3.77	2.64	.98	1.57	.07	.10	.04	.05
IN.	.28	.15	6.46	5.60	4.07	3.04	1.09	1.81	.08	.12	.05	.05

CAL YR 1971 TOTAL 218,928.0 MEAN 600 MAX 7,450 MIN 12 CFSM 1.74 IN 23.67
WTR YR 1972 TOTAL 210,796.0 MEAN 576 MAX 4,140 MIN 7.7 CFSM 1.67 IN 22.80

02475000 Leaf River near McLain, Miss.

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 miles east of McLain, 2 miles downstream from Atkinson Creek, 6 miles upstream from Big Oktibee Creek, and 14.6 miles upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,510 sq mi, approximately.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft above mean sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 5,080 cfs (19.65 inches per year).

EXTREMES.--Current year: Maximum discharge, 26,400 cfs Dec. 13 (gage height, 20.09 ft); minimum, 694 cfs Sept. 19 (gage height, 2.01 ft).

Period of record: Maximum discharge, 128,000 cfs Feb. 26, 1961 (gage height, 31.64 ft); minimum, 478 cfs Oct. 22, 1963; minimum gage height, 1.78 ft Oct. 28, 29; Nov. 1, 2, 1968.

Flood in April 1900 reached a stage of about 32 ft, from information by local residents.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,520	890	2,530	5,910	14,100	7,160	6,800	2,470	1,520	2,870	1,440	919
2	1,400	920	2,630	5,960	16,000	13,400	6,030	2,170	1,480	3,300	1,670	915
3	1,290	980	9,720	5,740	17,300	16,600	4,940	4,150	1,440	2,440	1,520	952
4	1,210	1,010	14,100	6,710	17,900	18,000	4,400	5,980	1,400	2,130	1,370	903
5	1,130	1,030	13,600	13,900	18,000	18,700	5,160	3,650	1,360	2,150	1,220	850
6	1,120	1,000	11,000	18,500	16,800	17,800	6,060	2,880	1,330	1,740	1,040	814
7	1,080	960	15,900	20,700	16,300	16,100	5,780	3,280	1,300	1,520	940	794
8	1,060	920	19,600	21,700	17,700	13,700	5,140	13,600	1,290	1,420	885	782
9	1,070	895	21,700	21,100	19,300	12,900	4,510	17,800	1,290	1,280	842	774
10	1,120	876	23,200	19,300	19,600	12,700	3,590	13,900	1,320	1,140	806	771
11	1,090	898	24,800	18,300	18,200	11,400	3,100	7,550	1,380	1,030	793	769
12	1,010	902	25,900	18,200	16,400	9,460	2,810	7,660	1,450	1,040	793	754
13	960	921	25,700	18,900	14,500	7,940	2,620	11,800	1,680	1,350	860	744
14	930	926	21,900	19,600	13,400	6,780	2,490	13,100	1,650	1,250	972	735
15	910	916	16,600	19,700	12,000	5,650	2,380	12,100	1,490	1,540	1,040	726
16	905	886	15,500	19,500	10,400	5,100	2,350	9,130	1,440	1,640	1,000	714
17	910	862	15,100	17,100	10,600	5,700	2,990	7,390	1,590	1,670	1,040	714
18	900	855	14,700	12,600	11,500	5,800	3,700	7,210	1,650	1,570	978	706
19	880	852	12,700	8,150	10,400	5,730	3,670	6,040	1,630	1,340	1,040	698
20	900	854	14,600	8,160	7,820	5,740	3,270	4,250	1,480	1,210	905	706
21	900	850	19,500	14,700	6,590	5,080	2,800	3,040	1,370	1,130	860	726
22	950	859	21,300	16,500	5,970	4,510	3,010	2,490	1,300	1,090	829	718
23	978	869	21,000	18,400	5,440	4,120	6,500	2,230	1,280	1,030	851	761
24	1,020	941	17,000	19,500	5,070	3,790	6,950	2,060	1,250	966	925	810
25	1,060	972	12,100	18,800	4,880	3,460	6,260	1,940	1,200	955	925	773
26	1,120	947	8,710	15,900	4,600	3,210	5,220	1,840	1,210	960	966	750
27	1,030	951	6,730	12,000	4,290	3,030	3,800	1,760	1,230	1,030	984	786
28	1,010	1,010	5,360	9,090	4,010	3,410	2,990	1,690	1,210	1,390	1,030	847
29	990	1,800	4,550	7,290	3,780	5,430	2,470	1,640	1,230	1,280	1,010	872
30	935	3,130	4,160	6,690	------	6,170	2,350	1,590	1,640	1,280	975	850
31	900	------	4,700	10,300	------	6,830	------	1,570	------	1,110	907	------
TOTAL	32,288	30,682	446,590	448,900	342,850	265,400	124,140	177,960	42,090	45,851	31,416	23,633
MEAN	1,042	1,023	14,410	14,480	11,820	8,561	4,138	5,741	1,403	1,479	1,013	788
MAX	1,520	3,130	25,900	21,700	19,600	18,700	6,950	17,800	1,680	3,300	1,670	952
MIN	880	850	2,530	5,740	3,780	3,030	2,350	1,570	1,200	955	793	698
CFSM	.30	.29	4.11	4.13	3.37	2.44	1.18	1.64	.40	.42	.29	.22
IN.	.34	.33	4.73	4.76	3.63	2.81	1.32	1.89	.45	.49	.33	.25

CAL YR 1971 TOTAL 2,182,460 MEAN 5,979 MAX 36,400 MIN 850 CFSM 1.70 IN 23.13
WTR YR 1972 TOTAL 2,011,800 MEAN 5,497 MAX 25,900 MIN 698 CFSM 1.57 IN 21.32

02475500 Chunky River near Chunky, Miss.

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft upstream from Illinois Central Railroad bridge, 1.2 miles east of Chunky, 3.2 miles upstream from Tallahatta Creek, and 5.5 miles downstream from Concobona Creek.

DRAINAGE AREA.--368 sq mi.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft above mean sea level. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 448 cfs (16.53 inches per year).

EXTREMES.--Current year: Maximum discharge, 13,600 cfs Dec. 8 (gage height, 21.79 ft); minimum, 6.1 cfs Sept. 14 (gage height, 2.27 ft).

Period of record: Maximum discharge, 30,800 cfs Feb. 22, 1961 (gage height, 25.58 ft in gage well, 25.75 ft from outside gage); minimum, 1.6 cfs Sept. 28-30, 1954; minimum gage height, 2.08 ft Oct. 21, 22, 1963.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1724: 1950 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	69	116	785	2,850	365	390	142	43	54	62	9.0
2	85	75	121	1,160	1,860	1,180	321	106	38	101	32	8.1
3	81	87	755	1,750	1,230	2,150	285	115	37	91	23	7.8
4	76	105	1,290	1,940	1,250	2,080	290	188	36	86	19	7.6
5	109	106	804	2,730	823	1,180	323	134	34	74	16	7.6
6	609	86	1,540	3,290	821	660	295	81	33	78	14	7.6
7	438	77	5,920	2,990	2,270	511	261	68	32	60	13	8.1
8	211	71	11,300	1,250	3,280	1,070	243	83	29	45	12	8.3
9	135	71	5,020	906	3,380	1,490	214	165	28	35	10	8.5
10	109	74	2,040	3,470	1,690	1,080	200	127	28	29	9.6	8.0
11	95	80	1,270	8,250	830	595	191	85	38	25	9.7	7.5
12	85	89	959	6,090	973	478	192	82	125	23	41	6.7
13	81	93	932	3,320	1,670	420	192	183	47	41	45	6.6
14	79	81	988	1,390	1,530	387	177	241	34	165	46	6.5
15	77	78	855	788	920	363	162	133	35	95	27	6.8
16	76	77	945	603	717	658	180	100	150	40	19	6.5
17	73	75	832	524	664	1,010	276	82	182	32	15	6.4
18	72	74	864	497	772	645	221	68	60	26	13	6.4
19	71	75	738	479	1,020	489	160	61	41	21	11	7.4
20	72	79	763	482	709	417	138	56	34	19	10	9.0
21	72	84	1,160	934	529	356	128	54	30	18	9.3	8.5
22	72	85	780	940	477	334	139	50	27	15	9.0	9.1
23	73	82	518	799	462	308	151	48	25	14	8.9	10
24	78	116	422	589	449	277	159	48	24	14	31	91
25	87	217	372	478	416	268	132	63	28	15	25	33
26	90	183	343	388	389	315	107	80	39	25	20	20
27	84	129	325	345	367	303	99	63	41	108	15	18
28	77	113	313	344	338	508	96	54	37	80	17	49
29	75	116	541	456	313	1,120	94	48	34	36	17	141
30	71	115	608	1,870	------	898	130	45	42	108	13	67
31	72	------	828	2,560	------	538	------	44	------	162	10	------
TOTAL	3,577	2,862	44,262	52,397	32,999	22,453	5,946	2,897	1,411	1,735	622.5	597.0
MEAN	115	95.4	1,428	1,690	1,138	724	198	93.5	47.0	56.0	20.1	19.9
MAX	609	217	11,300	8,250	3,380	2,150	390	241	182	165	62	141
MIN	71	69	116	344	313	268	94	44	24	14	8.9	6.4
CFSM	.31	.26	3.88	4.59	3.09	1.97	.54	.25	.13	.15	.05	.05
IN.	.36	.29	4.47	5.30	3.34	2.27	.60	.29	.14	.18	.06	.06

CAL YR 1971 TOTAL 235,688.0 MEAN 646 MAX 11,300 MIN 29 CFSM 1.76 IN 23.82
WTR YR 1972 TOTAL 171,758.5 MEAN 469 MAX 11,300 MIN 6.4 CFSM 1.27 IN 17.36

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	0400	21.79	13,600	01-11	1600	17.95	9,380

02476000 Okatibbee Creek near Meridian, Miss.

LOCATION.--Lat 32°21'15", long 88°45'25", in NE¼NW¼ sec.22, T.6 N., R.15 E., Choctaw meridian, Lauderdale County, near right bank on downstream side of bridge on old U.S. Highway 80, 0.5 mile upstream from Illinois Central Railroad bridge, 0.6 mile west of Meridian city limits, 2 miles downstream from Loper Creek, 4 miles upstream from Sowashee Creek, and at mile 21.5.

DRAINAGE AREA.--239 sq mi.

PERIOD OF RECORD.--August 1938 to September 1972 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 269.43 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 7, 1939, nonrecording gage; Jan. 7, 1939, to Aug. 28, 1958, water-stage recorder; and Aug. 29, 1958, to June 13, 1961, crest-stage gage; all at same site and datum.

AVERAGE DISCHARGE.--34 years, 287 cfs (16.31 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,180 cfs Jan. 10 (gage height, 17.95 ft); minimum, 12 cfs Aug. 24 (gage height, 2.95 ft).

Period of record: Maximum discharge, 27,000 cfs Feb. 22, 1961 (gage height, 26.14 ft), from rating curves extended above 12,000 cfs; minimum daily, 0.48 cfs Sept. 11-13, 1952.

Flood in April 1938, reached a stage of 25.3 ft and flood of Mar. 15, 1929, reached a stage of 25 ft, from information by Corps of Engineers. Flood in February of either 1936 or 1937, reached a stage of 25 ft, from information by local resident.

REMARKS.--Records good. Flow regulated since Nov. 26, 1968, by Okatibbee Lake, 16.2 miles upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Five discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1906: 1953-60(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	215	196	350	709	766	242	97	39	17	26	30	44
2	218	198	145	754	824	687	74	32	17	20	27	51
3	215	221	541	805	891	911	72	38	17	19	28	50
4	214	257	410	785	1,060	723	75	42	16	30	28	49
5	285	168	362	1,350	1,260	718	79	31	15	46	32	50
6	663	144	770	901	1,380	675	70	28	16	33	35	50
7	370	141	1,890	1,120	1,770	766	65	27	16	21	39	51
8	256	224	1,430	1,330	957	616	64	29	16	20	38	53
9	237	159	743	1,540	896	859	56	30	16	23	37	51
10	228	86	557	3,220	1,260	1,160	50	27	28	22	44	50
11	225	29	417	3,510	1,300	956	49	26	40	24	56	50
12	212	97	918	1,540	1,120	395	48	24	26	46	98	48
13	207	150	1,170	475	699	312	47	104	20	205	123	46
14	203	184	1,140	639	819	191	43	78	18	90	59	45
15	201	103	1,320	1,090	497	210	42	42	38	97	30	55
16	200	69	842	1,330	1,070	263	51	33	33	106	24	59
17	158	123	992	1,410	1,190	272	55	28	22	44	27	61
18	68	150	1,140	1,430	976	243	44	25	19	31	29	85
19	46	152	1,080	1,330	989	305	41	23	18	24	32	69
20	32	156	1,230	935	1,200	349	39	21	17	21	37	60
21	30	156	1,100	821	1,080	334	37	21	17	17	39	63
22	42	153	1,300	774	533	316	42	20	16	24	39	68
23	105	263	1,360	798	328	174	43	19	16	33	30	81
24	334	386	1,370	325	307	146	37	29	16	33	14	75
25	304	423	1,350	623	293	114	32	37	17	37	21	69
26	264	423	1,330	891	233	112	30	30	17	84	33	74
27	212	420	1,310	1,150	209	100	28	23	19	38	33	81
28	201	423	1,290	1,220	197	153	27	20	17	26	32	71
29	200	411	1,280	995	193	204	31	21	22	40	36	53
30	196	387	1,100	1,200	------	130	43	20	32	51	40	73
31	196	------	1,020	1,140	------	184	------	19	------	35	40	------
TOTAL	6,537	6,452	31,277	36,091	24,797	12,820	1,511	990	615	1,366	1,210	1,785
MEAN	211	215	1,009	1,164	855	414	50.4	31.9	20.5	44.1	39.0	59.5
MAX	663	423	1,890	3,510	1,770	1,160	97	104	40	205	123	85
MIN	30	29	145	326	193	100	24	19	16	17	14	44

CAL YR 1971 TOTAL 168,036 MEAN 460 MAX 2,770 MIN 14
WTR YR 1972 TOTAL 125,451 MEAN 343 MAX 3,510 MIN 14

02476500 Sowashee Creek at Meridian, Miss.

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw meridian, Lauderdale County, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mile downstream from Southern Railway System bridge, and 8 miles upstream from mouth.

DRAINAGE AREA.--51.9 sq mi.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft above mean sea level. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mile upstream at datum 3.00 ft higher.

AVERAGE DISCHARGE.--22 years, 56.4 cfs (14.76 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,230 cfs Jan. 10 (gage height, 17.38 ft); minimum, 0.73 cfs Sept. 16 (gage height, 2.11 ft).

Period of record: Maximum discharge, 9,530 cfs Apr. 6, 1964 (gage height, 20.95 ft, present site and datum); minimum discharge, 0.20 cfs Oct. 4, 1954, and at times during July, August, September, 1957.

Maximum stage known since at least 1900, 29.5 ft in February 1936, at site 0.6 mile upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft, at site 0.6 mile upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft at site 0.4 mile upstream at present datum, from information by U.S. Weather Bureau. The flood of Feb. 21, 1961, reached a stage of 6.7 ft lower than that of the flood in February 1936, at site 0.6 mile upstream.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	10	24	74	160	120	45	18	6.7	26	4.9	1.5
2	23	15	43	133	129	628	43	16	6.0	10	4.1	1.5
3	21	27	359	97	187	217	41	20	5.7	5.7	3.6	1.5
4	17	18	81	526	123	119	48	16	5.7	7.0	3.4	1.7
5	92	13	84	693	105	101	43	13	5.1	7.8	3.1	1.7
6	85	11	504	152	206	81	40	11	4.9	7.0	2.9	1.9
7	34	10	970	112	619	75	38	13	4.6	4.6	2.9	2.1
8	24	10	139	94	160	152	36	22	4.6	3.6	2.7	2.3
9	18	9.5	98	302	119	98	33	16	4.6	3.4	2.5	2.7
10	17	9.0	129	2,220	101	79	31	13	11	3.9	4.3	1.7
11	16	8.8	122	1,150	87	70	31	11	17	3.1	3.9	1.2
12	15	9.0	85	239	157	64	32	15	8.2	59	20	1.2
13	15	9.6	94	164	140	60	30	330	4.3	126	9.5	1.0
14	14	10	74	127	99	59	27	84	4.6	45	4.9	1.0
15	13	11	256	106	87	56	26	43	27	58	3.9	.89
16	13	12	163	92	81	87	55	29	59	31	3.1	.73
17	13	10	145	88	78	66	33	23	17	14	2.5	.73
18	12	9.5	125	84	115	69	28	19	9.5	8.2	2.1	3.1
19	11	12	88	83	83	105	24	15	7.0	5.7	1.9	3.9
20	11	12	133	94	69	70	20	12	6.3	4.6	1.7	3.1
21	10	11	95	94	65	64	18	11	5.4	4.3	2.7	2.5
22	10	10	74	115	63	57	35	9.5	4.6	3.6	3.9	2.1
23	25	15	64	88	63	50	20	8.9	4.1	3.6	2.7	3.1
24	78	28	59	78	60	47	18	13	3.9	2.7	3.9	2.9
25	26	18	55	76	58	54	16	23	5.7	3.6	2.9	2.3
26	18	14	51	64	56	50	15	13	7.9	3.4	2.5	1.9
27	15	13	48	61	54	47	14	10	5.4	3.9	2.3	4.9
28	11	24	58	63	49	90	13	7.8	4.3	15	2.9	5.7
29	10	76	98	95	48	91	23	7.4	15	28	2.3	4.6
30	10	31	95	681	------	61	24	7.4	15	18	1.9	23
31	10	------	118	376	------	52	------	6.7	------	6.7	1.5	------
TOTAL	714	476.4	4,531	8,221	3,421	3,039	900	856.7	290.1	526.4	117.4	88.45
MEAN	23.0	15.9	146	265	118	98.0	30.0	27.6	9.67	17.0	3.79	2.95
MAX	92	76	970	2,220	619	628	55	330	59	126	20	23
MIN	10	8.8	24	61	48	47	13	6.7	3.9	2.7	1.5	.73
CFSM	.44	.31	2.81	5.11	2.27	1.89	.58	.53	.19	.33	.07	.06
IN.	.51	.34	3.25	5.89	2.45	2.18	.65	.61	.21	.38	.08	.06

CAL YR 1971 TOTAL 32,237.50 MEAN 88.3 MAX 1,550 MIN 5.4 CFSM 1.70 IN 23.11
WTR YR 1972 TOTAL 23,181.45 MEAN 63.3 MAX 2,220 MIN .73 CFSM 1.22 IN 16.62

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	0600	12.63	1,580	01-10	0930	17.38	3,230

02476600 Okatibbee Creek at Arundel, Miss.

LOCATION.--Lat 32°17'35", long 88°45'13", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw meridian, Lauderdale County, on right bank, 100 ft downstream from Hognose Creek, 400 ft upstream from bridge on county road, 0.6 mile southeast of Arundel, and at mile 16.3.

DRAINAGE AREA.--342 sq mi.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft above mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder at bridge 400 ft downstream at same datum.

EXTREMES.--Current year: Maximum discharge, 8,350 cfs Jan. 11 (gage height, 18.76 ft; gage height at auxiliary gage, 18.43 ft); minimum daily, 33 cfs June 9.

Period of record: Maximum discharge, 8,350 cfs Jan. 11, 1972 (gage height, 18.76 ft; gage height at auxiliary gage, 18.43 ft); minimum daily, 20 cfs Oct. 5, 26, 1968. Flood in 1961 reached a stage of 22.2 ft, at county road bridge 400 ft downstream (from information by Corps of Engineers).

REMARKS.--Records fair. Daily discharge computed on basis of gage-height record from auxiliary gage 400 ft downstream. Flow, from 154 sq mi above the station, regulated by Okatibbee Lake, 21.3 miles upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record at auxiliary gage and 10 discharge measurements furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	218	451	914	1,370	638	233	101	47	72	61	56
2	267	247	281	1,040	1,260	1,760	189	96	43	57	54	60
3	256	262	1,260	1,030	1,430	1,860	179	110	39	70	52	59
4	255	293	820	1,740	1,400	1,180	206	103	38	85	49	59
5	358	211	625	2,300	1,490	1,100	196	95	37	106	50	60
6	925	172	1,330	1,420	1,630	999	172	92	36	69	50	61
7	521	166	2,990	1,340	2,690	1,020	166	90	35	54	57	62
8	322	227	2,160	1,500	1,880	1,230	161	108	34	48	56	63
9	284	201	1,140	1,570	1,270	1,140	142	96	33	49	55	67
10	266	135	1,810	4,480	1,500	1,340	132	85	53	48	58	60
11	258	63	807	6,510	1,550	1,310	130	76	183	48	69	59
12	241	98	1,010	3,020	1,530	730	128	68	63	95	180	60
13	238	171	1,320	1,320	1,320	579	126	962	45	628	251	60
14	238	199	1,260	999	1,090	420	120	500	39	196	115	60
15	231	154	1,420	1,300	1,270	400	114	172	113	434	60	66
16	228	95	1,390	1,510	1,260	555	187	121	383	191	58	74
17	201	128	1,240	1,590	1,400	525	149	99	85	100	49	77
18	112	179	1,410	1,610	1,380	451	112	83	62	73	48	143
19	79	199	1,230	1,580	1,210	586	101	72	55	61	49	143
20	62	196	1,480	1,340	1,330	571	99	67	51	54	50	77
21	61	189	1,290	1,170	1,330	544	97	65	50	49	57	78
22	71	185	1,360	1,150	921	532	169	62	46	46	61	84
23	117	274	1,400	1,120	602	363	115	59	45	52	55	102
24	403	471	1,400	841	543	290	104	120	44	54	44	94
25	380	487	1,380	828	517	270	98	182	48	55	39	85
26	301	449	1,350	1,040	454	251	93	79	58	100	46	86
27	248	483	1,340	1,290	400	234	92	63	51	66	47	115
28	226	494	1,320	1,370	376	397	90	59	47	64	46	113
29	224	687	1,400	1,320	366	489	108	55	91	170	48	72
30	219	489	1,250	2,030	------	314	110	54	71	141	52	170
31	218	------	1,270	2,250	------	336	------	51	------	78	54	------
TOTAL	8,089	7,662	39,394	52,512	34,769	22,414	4,118	4,043	2,025	3,413	2,012	2,425
MEAN	261	262	1,271	1,694	1,199	723	137	130	67.5	110	64.9	80.8
MAX	925	687	2,990	6,510	2,690	1,860	233	962	383	628	251	170
MIN	61	63	281	828	366	234	90	51	33	46	39	56
CFSM	.76	.77	3.72	4.95	3.51	2.11	.40	.38	.20	.32	.19	.24
IN.	.88	.86	4.28	5.71	3.78	2.44	.45	.44	.22	.37	.22	.26

CAL YR 1971 TOTAL 236,496 MEAN 648 MAX 4,280 MIN 50 CFSM 1.89 IN 25.72
WTR YR 1972 TOTAL 183,076 MEAN 500 MAX 6,510 MIN 33 CFSM 1.46 IN 19.91

02477000 Chickasawhay River at Enterprise, Miss.

LOCATION.--Lat 32°10'30", long 88°49'15", in SW¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mile downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2.

DRAINAGE AREA.--913 sq mi.

PERIOD OF RECORD.--August 1938 to current year. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft above mean sea level. Prior to Jan. 6, 1939, U.S. Weather Bureau nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft higher.

AVERAGE DISCHARGE.--34 years, 1,134 cfs (16.86 inches per year).

EXTREMES.--Current year: Maximum discharge, 17,500 cfs Jan. 12 (gage height, 31.26 ft); minimum, 81 cfs Sept. 14, 15, 16 (gage height, 4.53 ft).

Period of record: Maximum discharge, 61,700 cfs Feb. 23, 1961 (gage height, 42.94 ft, present datum); minimum, 18 cfs Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft (present datum) Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

Flood in April 1900 reached a stage of 42.2 ft (present datum) from floodmark (from reports of U.S. Weather Bureau).

REMARKS.--Records good. Some regulation since Nov. 26, 1968, by Okatibbee Lake, 38 miles upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1334: 1953. WRD Miss. 1966: 1965.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	478	313	729	2,270	5,680	2,030	953	360	141	140	261	86
2	452	337	645	2,300	4,630	4,660	763	315	130	198	165	85
3	431	400	2,110	3,260	3,810	5,470	690	348	126	267	123	86
4	415	462	3,000	4,380	3,460	4,770	714	391	122	190	105	84
5	570	493	2,000	6,400	2,940	3,630	735	384	118	245	96	84
6	1,750	376	2,990	6,770	2,790	2,360	660	282	114	220	98	86
7	1,560	337	4,010	5,560	5,540	1,950	627	255	113	164	88	85
8	846	335	12,800	4,250	6,620	2,750	585	324	108	145	91	87
9	606	405	14,900	3,090	6,070	3,320	534	344	103	123	98	88
10	525	348	8,120	10,100	4,700	3,000	496	351	103	112	86	88
11	478	287	4,400	15,400	3,400	2,480	480	269	302	104	92	84
12	449	222	3,200	17,000	3,010	1,830	472	261	273	128	180	83
13	423	330	2,720	11,900	3,810	1,380	470	1,460	203	573	418	82
14	413	351	2,730	5,210	3,300	1,200	436	1,540	150	522	337	82
15	408	367	2,650	3,710	2,840	1,050	410	412	162	693	142	81
16	393	273	3,040	2,940	2,430	1,500	531	409	525	357	126	89
17	386	249	2,590	2,590	2,410	1,930	544	326	472	251	105	93
18	313	330	2,720	2,510	2,530	1,580	504	273	241	171	96	102
19	243	353	2,510	2,400	2,640	1,360	396	241	169	135	88	187
20	220	386	2,520	2,370	2,430	1,320	351	215	142	115	96	111
21	212	347	2,970	2,400	2,240	1,190	330	200	126	103	87	98
22	208	357	2,630	2,750	1,930	1,110	444	187	117	93	89	112
23	229	369	2,290	2,450	1,440	987	413	177	108	90	97	111
24	419	663	2,140	2,090	1,290	814	357	219	102	94	87	180
25	624	826	2,050	1,570	1,210	784	326	504	121	92	105	193
26	475	859	1,970	1,700	1,140	774	273	241	150	120	91	141
27	384	769	1,920	1,840	1,040	766	261	224	141	192	93	154
28	335	738	1,490	1,970	966	1,140	249	188	129	275	87	190
29	324	1,020	2,030	2,130	912	1,420	265	164	142	237	88	275
30	317	843	2,260	4,370	------	1,710	368	157	195	386	88	313
31	313	------	2,370	6,240	------	1,200	------	150	------	426	86	------
TOTAL	15,202	13,743	108,904	144,510	87,370	61,765	14,697	11,464	5,150	6,961	3,912	3,619
MEAN	490	458	3,513	4,662	3,013	1,992	490	370	172	225	126	121
MAX	1,750	1,020	14,900	17,000	6,620	5,470	953	1,540	525	693	418	313
MIN	208	222	645	1,570	912	766	249	150	102	90	86	81
CFSM	.54	.50	3.85	5.11	3.30	2.18	.54	.41	.19	.25	.14	.13
IN.	.62	.56	4.44	5.89	3.56	2.52	.60	.47	.21	.28	.16	.15

CAL YR 1971 TOTAL 619,903 MEAN 1,698 MAX 14,900 MIN 115 CFSM 1.85 IN 25.26
WTR YR 1972 TOTAL 477,310 MEAN 1,304 MAX 17,000 MIN 81 CFSM 1.43 IN 19.44

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	0400	30.12	16,100	01-12	0930	31.26	17,500

02477990 Buckatunna Creek near Denham, Miss.

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens meridian, Wayne County, on right bank on downstream side of bridge on county road, 2.7 miles north of Denham, and 8.7 miles east of Waynesboro.

DRAINAGE AREA.--490 sq mi, approximately.

PERIOD OF RECORD.--January to September 1972.

GAGE.--Water-stage recorder. Datum of gage is 137.21 ft above mean sea level (determined from flood profile levels). Nonrecording gage at same site and datum.

EXTREMES.--Maximum discharge during period, 5,240 cfs Dec. 7 (gage height, 23.28 ft); minimum, 7.8 cfs Sept. 21-22 (gage height, 3.92 ft).

REMARKS.--Records good except those of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				910	2,360	1,040	936	227	164	101	69	18
2				1,030	2,210	2,700	666	249	149	117	63	18
3				1,350	2,750	3,260	546	256	137	156	73	17
4				1,750	3,050	2,960	586	220	130	164	67	17
5				2,300	3,040	2,670	836	201	121	163	62	17
6				2,600	3,160	2,460	697	184	113	146	55	16
7				2,700	3,950	2,690	625	204	107	130	49	16
8				2,750	3,600	3,070	522	392	103	113	45	16
9				2,800	3,060	2,990	454	413	102	111	41	16
10				2,950	2,550	2,250	412	492	103	97	38	16
11				3,000	2,160	1,620	380	361	98	86	35	15
12				3,010	2,120	1,380	357	277	93	81	36	15
13				2,890	2,210	1,130	342	364	94	97	41	14
14				2,900	1,750	918	326	378	94	89	39	12
15				3,400	1,410	811	305	550	104	76	35	11
16				3,800	1,430	806	415	707	113	72	32	11
17				3,400	1,370	911	568	835	133	90	29	10
18				2,590	1,160	1,010	568	769	251	197	27	10
19				1,270	1,130	1,170	521	387	299	172	25	9.5
20				2,110	1,120	1,150	382	262	187	123	23	9.2
21				3,310	1,030	925	301	213	141	113	21	8.4
22				3,470	899	771	1,150	183	119	88	20	12
23				3,760	798	676	2,350	161	105	75	19	19
24				3,640	774	609	769	323	94	66	19	17
25				3,280	744	558	444	612	86	62	18	14
26				2,570	696	518	326	527	86	59	19	15
27				1,570	657	514	258	776	80	81	19	14
28				1,010	656	726	225	480	95	87	20	19
29				887	626	1,050	206	284	117	82	20	20
30				1,710	------	1,280	204	209	122	91	19	31
31				2,480	------	1,150	------	177	------	77	19	------
TOTAL				77,197	52,470	45,773	16,677	11,673	3,740	3,262	1,097	453.1
MEAN				2,490	1,809	1,477	556	377	125	105	35.4	15.1
MAX				3,800	3,950	3,260	2,350	835	299	197	73	31
MIN				887	626	514	204	161	80	59	18	8.4
CFSM				5.08	3.69	3.01	1.13	.77	.26	.21	.07	.03
IN.				5.86	3.98	3.48	1.27	.89	.28	.25	.08	.03

02478500 Chickasawhay River at Leakesville, Miss.

LOCATION.--Lat 31°08', long 88°33', in SW¼ sec.12, T.2 N., R.6 W., St. Stephens meridian, Greene County, on left bank at downstream side of bridge on State Highway 63, 0.5 mile southeast of Leakesville, 2 miles upstream from Foulk ditch, and 29.1 miles upstream from confluence with Leaf River.

DRAINAGE AREA.--2,680 sq mi, approximately.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 3,580 cfs (18.14 inches per year).

EXTREMES.--Current year: Maximum discharge, 18,500 cfs Jan. 19 (gage height, 25.13 ft); minimum, 305 cfs Sept. 20 (gage height, 7.93 ft).

Period of record: Maximum discharge, 73,600 cfs Feb. 28, 1961 (gage height, 33.52 ft); minimum, 160 cfs Oct. 30, 31, 1963 (gage height, 6.74 ft).

Maximum stage known, 38 ft in April 1900; flood in July 1916, reached a stage of 31½ ft, from information by local residents. Flood of Apr. 12, 1938, reached a stage of 34.12 ft (discharge, 68,800 cfs), from information by Corps of Engineers.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1938-39.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,270	678	2,350	4,620	10,200	5,890	5,370	1,700	890	1,300	628	379
2	1,140	678	2,160	4,710	11,500	9,880	4,520	1,680	850	1,400	646	360
3	1,040	714	4,630	5,080	12,600	11,700	3,570	2,240	830	1,300	710	353
4	964	746	8,080	5,790	13,700	13,100	3,100	3,000	790	1,100	698	348
5	910	778	7,880	8,830	14,200	13,500	3,130	2,200	760	1,120	607	342
6	882	778	6,580	12,300	14,600	13,500	3,590	1,960	750	1,000	537	337
7	850	770	8,650	13,800	15,200	13,000	3,410	4,000	738	900	489	336
8	973	758	12,900	14,500	16,300	12,300	2,960	11,100	710	800	456	336
9	1,620	706	14,300	14,600	16,400	11,600	2,660	11,000	694	740	433	334
10	1,530	663	14,600	14,500	15,400	10,700	2,420	10,000	700	663	415	333
11	1,170	656	14,400	15,700	14,100	10,000	2,250	5,900	750	618	413	331
12	969	710	14,600	16,400	13,100	8,890	2,100	6,000	820	590	436	328
13	878	706	14,800	15,900	12,800	7,580	2,010	9,000	860	604	456	327
14	826	653	14,500	15,700	12,500	6,270	1,930	9,000	850	718	521	324
15	794	604	13,700	15,500	10,900	4,990	1,890	7,600	840	710	493	[illegible]
16	770	597	12,100	16,000	9,270	4,480	1,850	6,400	880	814	526	316
17	746	635	10,600	17,100	8,920	4,420	2,000	5,400	890	991	608	313
18	734	642	9,610	18,000	8,600	4,550	2,300	4,200	880	1,030	561	310
19	718	614	8,650	18,300	7,420	5,140	2,400	3,500	880	942	494	308
20	702	572	10,500	15,600	6,570	5,370	2,300	2,600	870	890	456	307
21	674	569	13,900	13,300	6,190	5,150	2,140	1,900	830	766	427	313
22	632	607	13,800	14,300	5,860	4,590	2,050	1,400	800	656	408	322
23	642	632	11,300	15,200	5,460	4,020	4,600	1,220	750	607	392	348
24	649	667	8,260	15,300	5,060	3,580	4,900	1,120	700	555	380	354
25	607	718	6,320	14,500	4,560	3,300	5,000	1,060	680	537	375	356
26	586	794	5,180	12,300	4,160	3,030	4,000	1,090	670	512	379	363
27	635	886	4,610	9,480	3,920	2,850	3,000	1,120	660	558	385	399
28	794	1,020	4,260	7,090	3,750	2,860	2,300	1,150	670	660	394	403
29	786	1,350	4,020	5,800	3,620	3,470	1,900	1,160	680	625	405	419
30	746	2,330	3,820	5,760	------	4,370	1,760	1,030	960	656	399	430
31	706	------	3,850	7,910	------	5,320	------	920	------	653	382	------
TOTAL	26,943	23,231	284,910	383,870	286,860	219,400	87,410	121,650	23,632	25,015	14,909	10,348
MEAN	869	774	9,191	12,380	9,892	7,077	2,914	3,924	788	807	481	345
MAX	1,620	2,330	14,800	18,300	16,400	13,500	5,370	11,100	960	1,400	710	430
MIN	586	569	2,160	4,620	3,620	2,850	1,760	920	660	512	375	307
CFSM	.32	.29	3.43	4.62	3.69	2.64	1.09	1.46	.29	.30	.18	.13
IN.	.37	.32	3.95	5.33	3.98	3.05	1.21	1.69	.33	.35	.21	.14

CAL YR 1971 TOTAL 1,815,543 MEAN 4,974 MAX 26,600 MIN 569 CFSM 1.86 IN 25.20
WTR YR 1972 TOTAL 1,508,178 MEAN 4,121 MAX 18,300 MIN 307 CFSM 1.54 IN 20.93

NOTE.--No gage-height record Apr. 15 to June 6 and June 10 to July 9.

02479000 Pascagoula River at Merrill, Miss.
(International Hydrological Decade River Station)

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mile downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile west of Merrill, and at mile 80.8.

DRAINAGE AREA.--6,600 sq mi, approximately.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Gage-height records collected in same vicinity since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft above mean sea level. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 9,271 cfs (19.08 inches per year).

EXTREMES.--Current year: Maximum discharge, 40,300 cfs Dec. 13 (gage height, 21.73 ft); minimum, 1,020 cfs Sept. 19, 20 (gage height, 2.52 ft).

Period of record: Maximum discharge, 178,000 cfs Feb. 27, 1961 (gage height, 30.66 ft); minimum, 696 cfs Nov. 3, 1936; minimum gage height, 1.92 ft Oct. 21-26, 1963.

Maximum stage known, 32.5 ft in April 1900 (from information by U.S. Weather Bureau). Flood of July 9, 1916, reached a stage of 31.0 ft (from reports of U.S. Weather Bureau).

REMARKS.--Records good. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,710	2,100	6,030	11,000	20,900	12,400	12,900	4,380	2,940	3,390	2,180	1,340
2	3,400	2,050	5,610	12,000	23,900	22,700	12,100	4,130	2,760	4,350	2,570	1,390
3	3,130	2,110	11,300	12,100	26,700	26,900	10,300	5,750	2,620	3,820	2,520	1,370
4	2,910	2,250	18,600	13,000	29,200	29,100	8,900	9,720	2,530	3,240	2,360	1,330
5	2,750	2,290	21,100	19,100	30,700	30,600	9,670	7,270	2,440	3,460	2,200	1,260
6	2,640	2,300	19,900	24,600	31,200	31,200	10,200	5,460	2,370	3,220	1,930	1,200
7	2,560	2,310	21,200	29,000	31,300	30,500	10,500	5,210	2,300	2,860	1,740	1,180
8	2,500	2,220	25,900	32,500	32,600	28,600	9,460	16,300	2,240	2,580	1,620	1,160
9	2,780	2,130	29,800	34,700	34,300	26,800	9,550	23,500	2,200	2,380	1,530	1,150
10	3,340	2,060	33,500	35,000	35,600	25,400	7,370	22,300	2,200	2,160	1,450	1,150
11	3,130	2,040	36,600	35,300	35,200	23,700	6,460	15,700	2,360	2,010	1,400	1,160
12	2,750	2,030	38,700	36,000	33,200	21,400	5,900	11,700	2,530	1,900	1,410	1,140
13	2,500	2,090	39,900	36,400	30,600	18,800	5,460	15,500	2,660	2,230	1,480	1,110
14	2,380	2,100	39,400	36,900	28,100	16,100	5,130	19,700	2,700	2,360	1,600	1,100
15	2,300	2,030	36,000	36,600	26,100	13,500	4,900	19,200	2,530	2,430	1,730	1,080
16	2,230	1,950	33,900	36,000	23,500	11,500	4,770	16,100	2,560	2,720	1,700	1,060
17	2,210	1,920	31,700	35,100	21,400	11,600	5,450	13,700	2,720	2,900	1,750	1,050
18	2,180	1,920	28,900	32,100	21,000	11,600	6,710	11,900	2,670	2,960	1,780	1,050
19	2,140	1,920	25,300	28,400	20,400	11,500	7,210	10,200	2,640	2,750	1,740	1,030
20	2,120	1,890	24,200	26,500	17,500	12,000	6,620	7,930	2,680	2,470	1,620	1,020
21	2,120	1,840	29,700	31,000	14,900	11,600	5,720	5,940	2,680	2,310	1,480	1,050
22	2,110	1,830	33,900	32,700	13,700	10,800	5,270	4,700	2,470	2,130	1,390	1,060
23	2,130	1,880	35,700	33,700	12,700	9,780	8,900	4,120	2,290	1,970	1,350	1,080
24	2,160	2,030	33,600	34,700	11,900	8,900	12,400	3,760	2,170	1,870	1,390	1,170
25	2,190	2,220	27,000	35,100	11,300	8,180	12,600	3,520	2,060	1,830	1,380	1,170
26	2,230	2,240	19,800	33,400	10,600	7,610	9,860	3,440	2,000	2,290	1,400	1,140
27	2,150	2,270	14,800	29,100	9,930	7,100	7,320	3,730	2,010	2,100	1,440	1,180
28	2,170	2,420	12,000	23,400	9,420	7,110	5,690	3,810	1,970	2,250	1,460	1,310
29	2,310	3,150	10,500	18,200	8,950	9,190	4,740	3,870	1,970	2,290	1,470	1,350
30	2,240	5,490	9,640	15,100	------	10,900	4,300	3,510	2,350	2,270	1,440	1,330
31	2,150	------	9,750	17,100	------	12,100	------	3,180	------	2,180	1,370	------
TOTAL	77,620	67,080	763,930	865,800	656,800	519,170	235,360	289,230	72,620	79,680	51,880	35,170
MEAN	2,504	2,236	24,640	27,930	22,650	16,750	7,845	9,330	2,421	2,570	1,674	1,172
MAX	3,710	5,490	39,900	36,900	35,600	31,200	12,900	23,500	2,940	4,350	2,570	1,390
MIN	2,110	1,830	5,610	11,000	8,950	7,100	4,300	3,180	1,970	1,830	1,350	1,020
CFSM	.38	.34	3.73	4.23	3.43	2.54	1.19	1.41	.37	.39	.25	.18
IN.	.44	.38	4.31	4.88	3.70	2.93	1.33	1.63	.41	.45	.29	.20

CAL YR 1971 TOTAL 4,206,230 MEAN 11,520 MAX 59,600 MIN 1,830 CFSM 1.75 IN 23.71
WTR YR 1972 TOTAL 3,714,340 MEAN 10,150 MAX 39,900 MIN 1,020 CFSM 1.54 IN 20.94

02479130 Black Creek near Brooklyn, Miss.

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, 1.1 miles southwest of Brooklyn, and 4.5 miles upstream from Chaney Creek.

DRAINAGE AREA.--361 sq mi.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft above mean sea level (Mississippi State Highway Department bench mark).

EXTREMES.--Current year: Maximum discharge, 6,080 cfs Dec. 8 (gage height, 17.11 ft); minimum, 87 cfs Sept. 21-22 (gage height, 3.88 ft).

Period of record: Maximum discharge, 6,080 cfs Dec. 8, 1971 (gage height, 17.11 ft); minimum, 87 cfs Sept. 21-22, 1971 (gage height, 3.88 ft).

Flood of Feb. 18, 1961, reached a stage of 25.70 ft (discharge, 21,500 cfs).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS.--WRD Miss. 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	150	811	752	1,220	2,000	709	414	211	184	151	109
2	231	175	1,220	734	1,190	3,000	562	331	202	173	148	102
3	209	330	3,050	716	1,550	2,000	439	2,110	194	152	145	101
4	195	372	2,960	1,230	1,390	2,500	442	1,610	186	277	131	95
5	203	251	2,630	3,130	1,100	1,200	604	1,460	180	318	120	92
6	319	191	2,900	2,640	1,000	1,000	556	782	173	228	112	91
7	258	181	5,200	1,850	2,270	950	518	1,160	167	197	102	91
8	195	158	5,710	1,450	1,640	1,300	467	5,720	166	163	97	108
9	173	154	3,560	1,170	1,350	1,530	386	5,740	170	140	94	107
10	162	173	2,510	972	1,090	1,140	321	3,560	228	127	94	136
11	153	186	2,990	1,400	960	900	291	2,290	420	118	220	140
12	147	183	2,630	1,400	1,080	720	277	3,700	352	121	202	133
13	144	176	1,620	1,190	1,320	636	262	4,020	280	189	262	111
14	143	167	1,230	1,050	1,220	565	247	2,840	258	408	172	97
15	141	161	2,010	888	1,050	521	232	1,970	242	650	151	91
16	139	157	2,540	727	892	626	329	1,400	242	674	149	89
17	141	152	1,460	607	822	771	485	1,040	316	485	142	87
18	158	149	1,240	549	850	677	376	872	294	326	127	87
19	169	155	1,140	607	800	633	284	701	249	244	116	88
20	161	170	2,820	2,020	800	701	244	556	218	199	114	89
21	154	181	3,030	2,220	850	660	213	453	181	222	109	88
22	153	175	3,130	1,720	800	565	473	383	176	264	107	126
23	151	166	2,390	1,510	750	470	844	337	249	275	164	148
24	184	211	1,630	1,410	800	417	872	306	275	216	151	121
25	208	206	1,240	1,300	800	408	633	284	224	164	133	116
26	189	178	1,000	1,070	700	406	339	269	192	169	230	102
27	178	169	852	880	650	373	228	251	189	180	339	122
28	161	206	752	752	650	1,030	199	240	183	224	255	181
29	152	684	684	818	800	1,480	202	232	169	194	167	181
30	146	1,040	650	996	------	1,210	515	226	167	161	145	169
31	147	------	793	1,440	------	948	------	220	------	158	132	------
TOTAL	5,535	7,007	66,382	39,198	30,394	31,337	12,549	45,477	6,753	7,600	4,781	3,398
MEAN	179	234	2,141	1,264	1,048	1,011	418	1,467	225	245	154	113
MAX	319	1,040	5,710	3,130	2,270	3,000	872	5,740	420	674	339	181
MIN	139	149	650	549	650	373	199	220	166	118	94	87
CFSM	.50	.65	5.93	3.50	2.90	2.80	1.16	4.06	.62	.68	.43	.31
IN.	.57	.72	6.84	4.04	3.13	3.23	1.29	4.69	.70	.78	.49	.35

CAL YR 1971 TOTAL 266,904 MEAN 731 MAX 5,710 MIN 115 CFSM 2.02 IN 27.50
WTR YR 1972 TOTAL 260,411 MEAN 712 MAX 5,740 MIN 87 CFSM 1.97 IN 26.83

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	0330	17.11	6,080	05-09	0630	16.98	5,990
12-16	0030	13.21	3,730	05-13	0930	14.23	4,340
12-20	1730	13.55	3,930				

02479155 Cypress Creek near Janice, Miss.
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, on right bank at downstream side of bridge on State Highway 29, 1.2 miles east of Janice, and 5.5 miles upstream from mouth.

DRAINAGE AREA.--52.2 sq mi.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (from topographic map).

AVERAGE DISCHARGE.--6 years, 73.4 cfs (19.10 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,870 cfs Mar. 1 (gage height, 16.27 ft); minimum, 5.1 cfs several days in Sept. (gage height, 5.50 ft).

Period of record: Maximum discharge, 7,720 cfs Apr. 13, 1969 (gage height, 26.01 ft); minimum, 4.5 cfs Sept. 2, 3, 1968. Flood of June 1, 1959, reached a stage of 32.06 ft (discharge, 22,800 cfs).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	16	51	118	212	1,120	57	37	15	34	12	7.6
2	26	19	192	222	195	1,010	49	25	15	20	11	7.8
3	23	36	610	165	347	579	45	335	14	15	10	7.6
4	21	27	275	276	225	224	85	124	13	13	9.7	7.3
5	20	19	130	448	131	171	103	44	13	13	8.9	6.9
6	26	17	230	189	145	133	61	28	12	13	8.4	6.9
7	23	16	569	119	515	109	52	267	12	11	7.8	6.9
8	18	15	215	97	260	246	47	1,280	12	11	7.3	7.3
9	17	16	109	87	142	261	42	368	15	10	7.3	7.6
10	16	22	180	88	113	125	39	114	15	9.7	7.3	7.8
11	15	21	299	539	99	96	39	108	42	9.7	8.4	8.4
12	15	18	144	269	182	84	38	357	63	9.7	11	6.9
13	15	17	92	152	240	78	35	532	31	35	10	5.8
14	15	17	77	135	124	73	31	395	22	85	9.7	5.8
15	14	16	312	95	106	72	29	152	24	138	9.7	6.2
16	14	16	925	77	132	162	35	90	41	62	10	6.2
17	15	16	305	73	286	137	39	66	25	34	11	7.6
18	16	16	151	72	211	79	29	57	17	22	10	7.1
19	17	16	106	105	114	68	25	46	15	17	9.5	6.0
20	15	18	1,100	631	88	61	24	38	15	15	8.4	5.5
21	15	17	913	749	81	58	22	32	13	17	7.6	5.5
22	15	16	253	857	77	58	75	28	13	17	7.1	6.0
23	16	15	154	417	72	52	85	26	16	13	10	6.2
24	28	40	122	202	68	48	36	24	15	12	10	7.3
25	27	42	106	147	65	55	23	23	13	13	9.2	7.8
26	20	27	94	113	64	54	19	21	16	20	12	7.1
27	17	22	85	102	59	49	18	20	15	15	37	8.9
28	16	34	78	101	56	156	18	18	12	11	17	12
29	16	188	73	168	55	191	30	17	26	11	11	9.2
30	16	94	79	302	------	102	90	17	79	13	8.7	7.8
31	16	------	188	401	------	73	------	17	------	14	7.8	------
TOTAL	574	869	8,217	7,516	4,464	5,784	1,320	4,706	649	733.1	324.8	217.0
MEAN	18.5	29.0	265	242	154	187	44.0	152	21.6	23.6	10.5	7.23
MAX	31	188	1,100	857	515	1,120	103	1,280	79	138	37	12
MIN	14	15	51	72	55	48	18	17	12	9.7	7.1	5.5
CFSM	.35	.56	5.08	4.64	2.95	3.58	.84	2.91	.41	.45	.20	.14
IN.	.41	.62	5.86	5.36	3.18	4.12	.94	3.35	.46	.52	.23	.15

CAL YR 1971 TOTAL 38,832.9 MEAN 106 MAX 1,140 MIN 9.0 CFSM 2.03 IN 27.67
WTR YR 1972 TOTAL 35,373.9 MEAN 96.7 MAX 1,280 MIN 5.5 CFSM 1.85 IN 25.21

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-20	2230	15.98	1,820	05-08	0830	14.68	1,560
03-01	1030	16.27	1,870				

02479160 Black Creek near Wiggins, Miss.

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens meridian, Stone County, on left bank on downstream side of bridge on State Highway 26. 1.7 miles downstream from Flat Branch, 8.6 miles upstream from Sweetwater Creek, and 13.4 miles east of Wiggins.

DRAINAGE AREA.--730 sq mi, approximately.

PERIOD OF RECORD.--Occasional discharge measurements 1956, 1957, 1959, 1960. October 1971 to September 1972.

GAGE.--Water-stage recorder. Datum of gage is 48.89 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 12,600 cfs Dec. 8 (gage height, 22.59 ft from floodmark); minimum, 178 cfs Sept. 19, 20 (gage height, 3.91 ft).

Maximum stage known (believed to be that of July 1916), 30.5 ft, from Mississippi State Highway Department plans. The flood of June 3, 1959 reached a stage of 25.88 ft and the flood of Feb. 19, 1961, 25.83 ft (from floodmarks); discharge, about 26,000 cfs, based on peak data at sites upstream and downstream.

REMARKS.--Records good except those for doubtful or no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	440	260	1,650	1,660	2,700	3,100	1,380	834	371	354	309	246
2	400	230	1,500	2,060	1,700	8,810	1,130	638	354	332	290	234
3	370	790	3,700	1,920	2,850	9,140	977	1,190	339	303	278	222
4	350	700	6,750	1,620	2,320	7,420	865	3,100	326	280	285	209
5	460	560	5,000	2,730	2,350	3,920	1,090	2,120	314	363	260	199
6	680	450	4,350	4,240	1,880	2,580	1,120	1,540	303	412	239	193
7	600	350	7,200	4,310	4,000	2,040	992	1,190	308	339	228	190
8	490	295	10,200	2,800	3,100	2,260	905	4,590	314	303	215	190
9	400	275	10,000	2,100	3,080	3,560	834	8,150	342	274	208	204
10	320	340	5,800	1,780	2,200	2,840	712	9,380	383	252	203	209
11	290	335	4,100	3,920	1,840	1,980	677	8,220	552	240	232	245
12	275	320	6,400	4,090	1,800	1,640	633	6,040	828	242	308	250
13	258	310	3,200	2,690	2,450	1,450	641	7,570	647	260	362	233
14	245	295	2,000	2,280	2,200	1,340	611	8,920	531	526	391	209
15	235	285	1,900	2,050	1,780	1,270	584	7,620	491	790	306	194
16	228	270	5,270	1,680	1,450	1,540	570	3,970	592	988	296	185
17	220	270	6,630	1,400	2,220	1,790	706	2,160	534	896	317	186
18	290	265	3,350	1,200	2,980	1,490	803	1,680	521	637	290	182
19	370	260	2,040	1,260	2,200	1,300	666	1,430	465	478	261	179
20	280	300	3,200	2,060	1,680	1,240	570	1,190	419	399	238	180
21	240	400	7,290	5,320	1,480	1,240	526	865	381	355	224	188
22	234	320	8,200	8,040	1,420	1,220	563	733	339	379	217	184
23	230	290	6,080	7,120	1,310	1,050	1,150	647	350	400	247	202
24	490	450	3,870	4,040	1,210	927	1,210	584	427	394	351	238
25	400	365	2,420	2,690	1,130	890	1,050	539	421	354	300	211
26	300	300	1,880	2,140	1,080	896	797	501	371	395	266	205
27	250	255	1,610	1,820	1,100	865	568	467	342	389	361	200
28	330	360	1,450	1,620	1,020	1,050	482	438	324	344	464	225
29	260	2,650	1,320	1,630	977	2,450	458	419	310	347	370	269
30	240	2,050	1,230	1,700	------	2,140	539	402	346	338	282	263
31	235	------	1,170	2,100	------	1,660	------	389	------	331	252	------
TOTAL	10,410	14,600	130,760	86,070	57,507	75,098	23,809	87,516	12,545	12,694	8,850	6,324
MEAN	336	487	4,218	2,776	1,983	2,423	794	2,823	418	409	285	211
MAX	680	2,650	10,200	8,040	4,000	9,140	1,380	9,380	828	988	464	269
MIN	220	230	1,170	1,200	977	865	458	389	303	240	203	179
CFSM	.46	.67	5.78	3.80	2.72	3.32	1.09	3.87	.57	.56	.39	.29
IN.	.53	.74	6.66	4.39	2.93	3.83	1.21	4.46	.64	.65	.45	.32

WTR YR 1972 TOTAL 526,183 MEAN 1,438 MAX 10,200 MIN 179 CFSM 1.97 IN 26.81

PEAK DISCHARGE (BASE, 7,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	Unknown	22.59	12,600	03-02	1600	20.13	9,420
12-17	0730	17.98	7,100	05-10	1200	20.20	9,500
12-22	0015	19.34	8,520	05-14	1600	19.78	9,010
01-22	1630	19.09	8,250				

NOTE.--Doubtful or no gage-height record Oct. 1 to March 1.

02479300 Red Creek at Vestry, Miss.

LOCATION.—Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens meridian, George County, near center of channel on downstream side of bridge on county highway, 0.5 mile north of Vestry, and 1.1 miles upstream from Little Red Creek.

DRAINAGE AREA.—416 sq mi.

PERIOD OF RECORD.—July 1958 to current year.

GAGE.—Water-stage recorder. Datum of gage is 20.10 ft above mean sea level.

AVERAGE DISCHARGE.—14 years, 775 cfs (25.30 inches per year).

EXTREMES.—Current year: Maximum discharge, 7,380 cfs May 14 (gage height, 14.86 ft); minimum, 128 cfs Sept. 20 (gage height, 3.74 ft).

Period of record: Maximum discharge, 21,500 cfs Dec. 12, 1961; maximum gage height, 18.78 ft Apr. 28, 1964; minimum discharge, 88 cfs Oct. 22, 1963 (gage height, 3.22 ft).

REMARKS.—Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	216	607	759	2,790	721	806	285	312	211	241	139
2	347	218	553	958	2,350	2,390	686	346	295	279	234	138
3	323	253	1,230	1,540	2,350	5,230	565	418	282	276	209	188
4	305	341	1,860	1,270	2,630	6,420	554	775	271	250	190	171
5	293	333	1,600	1,950	1,980	4,810	921	1,180	262	215	183	148
6	286	308	1,290	3,250	1,400	2,870	1,050	1,250	253	190	169	138
7	275	268	2,260	3,250	2,230	1,690	824	1,350	245	170	154	138
8	263	241	2,610	1,850	3,110	1,340	703	4,120	238	165	144	139
9	255	228	2,060	1,280	2,980	1,930	575	3,790	232	158	138	138
10	249	229	1,840	1,000	2,010	2,360	488	4,130	266	154	144	139
11	240	231	1,600	1,470	1,500	1,700	446	4,030	373	152	140	137
12	238	235	1,640	2,640	1,240	1,290	421	3,510	461	153	152	140
13	235	238	1,170	2,900	1,410	1,060	402	4,500	541	161	250	140
14	235	231	925	2,480	1,420	917	386	6,840	464	163	288	135
15	233	227	836	1,730	1,190	868	367	6,800	374	228	240	131
16	230	229	1,160	1,200	1,190	899	357	5,370	323	217	264	130
17	226	225	2,160	920	1,340	1,320	361	3,010	318	234	265	131
18	233	221	2,040	813	1,420	1,240	353	1,480	290	255	228	134
19	260	212	1,660	805	1,330	955	347	1,040	260	256	197	129
20	269	200	1,560	1,480	1,110	815	341	882	243	231	177	128
21	269	195	2,510	3,420	937	736	317	744	231	211	161	143
22	261	193	3,180	5,000	828	731	324	625	217	225	152	148
23	251	193	2,870	5,480	764	724	436	545	240	230	147	147
24	243	217	1,850	4,710	717	656	486	489	253	203	174	138
25	267	255	1,250	2,990	681	604	415	444	248	192	192	133
26	273	287	954	1,670	655	602	347	413	241	211	210	137
27	256	281	800	1,190	683	588	303	386	225	262	225	141
28	241	268	716	1,010	661	670	276	361	212	356	215	149
29	233	317	664	1,120	640	1,040	266	344	198	287	193	167
30	224	596	636	1,350	------	1,120	271	336	188	232	165	165
31	217	------	662	2,370	------	928	------	338	------	222	148	------
TOTAL	8,105	7,686	46,753	63,855	43,546	49,224	14,394	60,131	8,556	6,749	5,989	4,279
MEAN	261	256	1,508	2,060	1,502	1,588	480	1,940	285	218	193	143
MAX	383	596	3,180	5,480	3,110	6,420	1,050	6,840	541	356	288	188
MIN	217	193	553	759	640	588	266	285	188	152	138	128
CFSM	.63	.62	3.63	4.95	3.61	3.82	1.15	4.66	.69	.52	.46	.34
IN.	.72	.69	4.18	5.71	3.89	4.40	1.29	5.38	.77	.60	.54	.38

CAL YR 1971 TOTAL 282,475 MEAN 774 MAX 3,440 MIN 164 CFSM 1.86 IN 25.26
WTR YR 1972 TOTAL 319,267 MEAN 872 MAX 6,840 MIN 128 CFSM 2.10 IN 28.55

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-23	0600	14.29	5,670	05-14	1800	14.86	7,380
03-04	0430	14.65	6,750				

02479500 Escatawpa River near Wilmer, Ala.

LOCATION.--Lat 30°51'44", long 88°25'04", in NW¼ sec. 19, T. 2 S., R. 4 W., Mobile County, near midstream on downstream side of bridge on U.S. Highway 98 at Alabama-Mississippi State line, 0.2 mile upstream from Gulf, Mobile & Ohio Railroad bridge, 0.5 mile upstream from Rocky Creek, and 4 miles northwest of Wilmer.

DRAINAGE AREA.--506 sq mi.

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.01 ft above mean sea level.

AVERAGE DISCHARGE.--27 years, 918 cfs (24.64 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,370 cfs May 9 (gage height, 17.19 ft); minimum, 70 cfs Sept. 5.
Period of record: Maximum discharge, 30,000 cfs June 2, 1959 (gage height, 24.66 ft); minimum, 37 cfs Sept. 2, 3, 4, 1954.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1624: 1948-49.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	136	470	1,100	2,870	673	900	448	457	321	567	76
2	320	151	643	1,080	2,270	1,700	760	407	309	273	353	75
3	300	233	1,940	1,260	2,370	3,400	700	678	245	226	239	74
4	280	206	2,500	1,260	2,620	2,300	880	2,050	215	177	194	72
5	260	174	2,010	2,130	2,440	1,500	1,900	1,360	193	158	153	71
6	240	156	1,960	2,660	2,150	1,200	1,200	719	178	272	138	71
7	220	147	4,170	2,150	3,310	1,100	900	1,030	165	283	121	74
8	198	140	5,350	1,820	3,750	1,500	800	6,360	155	215	107	74
9	190	141	5,410	1,640	3,390	2,300	720	7,280	149	162	99	84
10	162	174	4,020	1,400	2,680	1,500	660	6,660	147	134	94	115
11	148	189	2,720	1,640	2,270	1,200	640	4,720	176	119	93	152
12	143	181	2,760	3,100	1,920	1,000	640	2,860	191	116	100	141
13	142	166	2,150	3,860	1,840	840	600	3,150	172	140	120	105
14	143	160	1,510	5,010	1,680	820	560	4,410	174	197	113	89
15	143	154	1,230	4,800	1,520	980	540	3,760	173	228	125	80
16	143	149	2,480	4,000	1,440	1,100	700	2,440	159	212	123	76
17	142	145	3,690	2,000	1,510	1,300	1,100	1,630	146	231	107	74
18	146	143	2,400	1,100	1,580	1,000	800	1,250	137	209	148	73
19	150	147	1,670	1,500	1,350	1,000	580	965	131	170	133	74
20	146	152	1,920	3,000	1,140	900	620	710	149	141	102	74
21	145	150	4,310	6,000	1,010	800	490	556	146	135	91	74
22	150	144	5,830	5,200	904	750	1,400	463	132	136	91	82
23	159	140	5,850	4,500	822	720	2,200	404	131	123	89	122
24	162	167	4,940	3,500	788	680	1,200	362	135	114	89	122
25	152	200	3,110	2,700	773	660	700	332	132	176	90	108
26	146	208	1,890	2,110	751	700	424	307	148	334	93	100
27	141	195	1,450	1,640	859	670	362	284	143	244	113	116
28	137	278	1,190	1,360	818	1,100	317	330	128	180	137	152
29	134	469	1,060	1,380	725	1,700	282	319	136	139	108	130
30	132	496	983	1,880	------	1,100	289	304	311	232	88	109
31	133	------	1,030	3,000	------	1,000	------	821	------	578	80	------
TOTAL	5,528	5,693	82,666	79,780	51,550	37,193	23,764	57,369	5,363	6,375	4,298	2,839
MEAN	178	190	2,667	2,574	1,778	1,200	792	1,851	179	206	139	94.6
MAX	340	496	5,850	6,000	3,750	3,400	2,200	7,280	457	578	567	152
MIN	132	136	470	1,080	725	660	282	284	128	114	80	71
CFSM	.35	.38	5.27	5.09	3.51	2.37	1.57	3.66	.35	.41	.27	.19
IN.	.41	.42	6.08	5.87	3.79	2.73	1.75	4.22	.39	.47	.32	.21

CAL YR 1971 TOTAL 382,431 MEAN 1,048 MAX 6,320 MIN 110 CFSM 2.07 IN 28.12
WTR YR 1972 TOTAL 362,418 MEAN 990 MAX 7,280 MIN 71 CFSM 1.96 IN 26.64

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-07	2000	15.59	6,140	1-21	Unknown	Unknown	Unknown
12-22	2100	15.46	6,040	5-09	0900	17.19	7,370
1-14	1800	14.41	5,320				

NOTE.--No gage-height record March 1 to April 25.

02481000 Biloxi River at Wortham, Miss.

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mile east of Wortham, 1 mile downstream from Illinois Central Railroad bridge, 1 mile upstream from Saucier Creek, and 4 miles north of Lyman.

DRAINAGE AREA.--96.1 sq mi.

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft above mean sea level (levels by Mississippi State Highway Department).

AVERAGE DISCHARGE.--20 years, 169 cfs (23.35 inches per year).

EXTREMES.--Current year: Maximum discharge, 5,490 cfs Jan. 20 (gage height, 16.84 ft); minimum, 3.3 cfs Sept. 23, 28.

Period of record: Maximum discharge, 8,420 cfs Apr. 27, 1964; maximum gage height, 21.08 ft Sept. 18, 1957; minimum discharge, 1.1 cfs Oct. 21, 1963.

Flood in 1948 reached a stage of 23.3 ft, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft higher than that of Sept. 18, 1957, at a point about 1 mile upstream, from information by local residents.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	12	107	217	744	94	120	17	17	22	7.0	9.0
2	35	25	268	500	613	992	110	16	16	22	12	7.4
3	31	101	686	686	869	1,220	100	316	15	49	16	7.4
4	28	66	476	575	655	652	160	296	14	25	11	7.4
5	26	42	278	1,500	416	326	210	97	13	15	8.6	6.4
6	24	30	266	981	326	222	140	53	12	11	7.8	6.4
7	21	23	648	514	882	168	100	484	12	8.6	7.4	7.0
8	19	18	418	290	674	454	80	1,800	11	8.2	6.4	7.4
9	18	16	240	222	460	796	66	540	10	7.8	6.1	7.8
10	16	15	219	190	286	472	58	247	13	7.4	5.8	8.2
11	14	17	228	741	228	249	52	208	29	7.4	5.8	7.4
12	13	18	206	717	280	186	47	1,830	40	7.4	7.0	6.6
13	13	17	157	739	356	154	44	2,820	57	7.8	8.2	5.6
14	12	16	119	549	253	135	40	1,360	41	8.2	11	5.0
15	12	15	104	332	199	127	36	613	26	19	17	4.6
16	12	14	110	220	286	246	46	298	19	38	31	4.4
17	12	14	233	175	330	310	51	192	16	46	21	4.2
18	13	13	204	159	282	250	39	149	13	37	15	3.9
19	23	13	130	274	235	170	33	132	11	38	11	3.9
20	45	13	760	3,090	166	125	26	94	10	35	8.6	3.8
21	33	13	934	2,900	137	160	23	71	8.6	43	7.8	3.7
22	24	13	555	1,800	125	180	145	57	8.2	52	6.7	3.7
23	21	14	298	939	119	145	98	48	8.2	40	41	3.5
24	18	41	199	549	110	100	57	40	8.2	23	58	3.5
25	17	62	156	394	103	110	36	34	8.6	16	44	3.5
26	16	44	130	290	100	100	25	30	9.0	12	26	3.7
27	15	37	113	235	116	140	19	26	9.0	14	16	3.7
28	14	44	101	229	98	300	17	24	9.0	11	11	3.5
29	14	119	93	476	86	230	18	21	7.8	9.0	7.4	3.5
30	13	113	90	724	------	150	18	20	11	10	18	6.7
31	12	------	175	1,140	------	130	------	19	------	8.2	15	------
TOTAL	625	998	8,701	22,347	9,534	9,093	2,014	11,952	482.6	658.0	474.6	162.8
MEAN	20.2	33.3	281	721	329	293	67.1	386	16.1	21.2	15.3	5.43
MAX	45	119	934	3,090	882	1,220	210	2,820	57	52	58	9.0
MIN	12	12	90	159	86	94	17	16	7.8	7.4	5.8	3.5
CFSM	.21	.34	2.86	7.33	3.35	2.98	.68	3.93	.16	.22	.16	.06
IN.	.24	.38	3.29	8.46	3.61	3.44	.76	4.52	.18	.25	.18	.06

CAL YR 1971 TOTAL 57,607.5 MEAN 158 MAX 1,330 MIN 8.0 CFSM 1.61 IN 21.80
WTR YR 1972 TOTAL 67,042.0 MEAN 183 MAX 3,090 MIN 3.5 CFSM 1.86 IN 25.37

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-20	1815	16.84	5,490	05-13	0715	11.85	3,150
05-08	0145	12.40	3,370				

02481510 Wolf River near Landon, Miss.

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens meridian, Harrison County, on left bank at downstream side of bridge on county highway, 0.3 mile downstream from Sandy Creek, 1.3 miles upstream from Pole Branch, and 11 miles northwest of Landon.

DRAINAGE AREA.--308 sq mi.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1964-66. August 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft above mean sea level.

EXTREMES.--August to September 1971: Maximum discharge during period, 4,120 cfs Sept. 17 (gage height, 8.73 ft); minimum, 104 cfs Aug. 21 (gage height, 2.00 ft).

Water year 1972: Maximum discharge, 8,620 cfs Jan. 20 (gage height, 13.15 ft); minimum, 48 cfs Sept. 25 (gage height, 1.71 ft).

Flood of April 27, 1964, reached a stage of 21.06 ft. The flood of 1920 reached a stage about 5 ft higher than that of April 1964, from information by local resident.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, 1971

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP
1	1,350	290	7	350	1,420	13	374	1,180	19	121	1,330	25	2,490	557
2	1,300	241	8	400	975	14	280	827	20	110	941	26	1,180	429
3	900	435	9	350	643	15	185	629	21	190	1,210	27	591	378
4	600	512	10	300	440	16	145	1,750	22	212	862	28	357	345
5	450	718	11	288	1,010	17	127	3,760	23	241	691	29	245	295
6	400	2,080	12	292	1,670	18	116	2,200	24	402	631	30	193	253
												31	183	
TOTAL													14,722	28,702
MEAN													475	957
MAX													2,490	3,760
MIN													110	241
CFSM													1.54	3.11
IN.													1.78	3.47

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
09-17	0700	8.73	4,120				

(Daily table for complete year follows.)

02481510 Wolf River near Landon, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	119	474	717	1,830	1,410	545	198	133	180	358	64
2	198	137	521	1,470	1,680	3,750	425	223	127	322	214	79
3	182	176	1,570	1,090	2,100	3,380	336	504	122	177	175	79
4	171	182	1,660	1,520	1,500	2,270	390	688	117	121	119	72
5	163	196	1,180	3,840	1,060	1,510	635	731	111	94	91	62
6	158	158	1,040	2,130	887	1,070	509	574	108	82	76	60
7	165	135	1,730	1,430	2,370	787	392	541	104	74	65	59
8	166	124	2,020	1,050	2,150	1,280	354	2,850	99	69	58	63
9	149	119	1,780	828	1,390	1,920	315	3,350	99	65	54	60
10	139	121	1,240	687	1,080	1,300	282	2,570	104	61	51	107
11	132	126	1,370	1,600	864	922	266	1,530	123	58	77	99
12	128	130	1,180	1,770	838	723	256	6,010	155	61	323	90
13	125	129	883	1,430	1,090	597	247	8,090	199	74	270	76
14	123	123	704	1,200	926	512	235	5,730	173	107	269	61
15	121	119	595	892	734	464	220	2,570	154	200	260	54
16	120	117	1,390	651	763	723	220	1,520	135	104	589	50
17	120	117	1,520	515	894	960	223	999	120	128	242	50
18	132	117	1,320	469	1,000	705	209	783	106	172	142	50
19	202	117	1,010	620	919	593	209	614	96	142	122	51
20	197	120	1,580	4,600	701	482	201	457	91	132	94	62
21	167	123	2,730	6,040	577	456	185	363	86	180	77	63
22	150	122	2,040	3,880	514	539	285	300	84	200	67	62
23	145	122	1,370	2,570	469	462	288	256	90	160	66	55
24	144	163	998	1,740	438	372	275	223	94	140	75	52
25	176	182	741	1,320	419	343	220	201	109	128	114	50
26	177	183	578	988	406	356	201	183	105	137	143	62
27	150	162	474	782	395	333	185	170	92	214	129	106
28	137	168	408	750	380	539	165	161	87	199	106	150
29	130	373	369	1,110	359	965	182	152	83	133	92	100
30	125	651	347	1,540	------	758	201	145	85	106	81	98
31	121	------	554	2,460	------	653	------	140	------	99	70	------
TOTAL	4,734	4,931	35,376	51,689	28,733	31,134	8,656	42,826	3,391	4,119	4,669	2,146
MEAN	153	164	1,141	1,667	991	1,004	289	1,381	113	133	151	71.5
MAX	221	651	2,730	6,040	2,370	3,750	635	8,090	199	322	589	150
MIN	120	117	347	469	359	333	165	140	83	58	51	50
CFSM	.50	.53	3.70	5.41	3.22	3.26	.94	4.48	.37	.43	.49	.23
IN.	.57	.60	4.27	6.24	3.47	3.76	1.05	5.17	.41	.50	.56	.26

WTR YR 1972 TOTAL 222,404 MEAN 608 MAX 8,090 MIN 50 CFSM 1.97 IN 26.86

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-05	0430	9.21	4,510	03-02	2400	8.58	4,000
01-20	1900	13.15	8,620	05-13	0700	13.02	8,460

02482000 Pearl River at Edinburg, Miss.

LOCATION.--Lat 32°47'55", long 89°21'10" (corrected), in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw meridian, Leake County, on right bank 20 ft downstream from bridge on State Highway 16 at Edinburg, 1,100 ft downstream from Hooper Mill Creek, 3 miles upstream from Rice Creek and at mile 387.5.

DRAINAGE AREA.--898 sq mi.

PERIOD OF RECORD.--August 1928 to current year. Gage-height records collected in same vicinity since 1908 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft above mean sea level. Prior to July 2, 1930, nonrecording gage at site 500 ft upstream at datum 0.12 ft higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--44 years, 1,040 cfs (15.73 inches per year).

EXTREMES.--Current year: Maximum discharge, 21,300 cfs Jan. 13 (gage height, 25.86 ft); minimum, 17 cfs Aug. 22 (gage height, 1.80 ft).

Period of record: Maximum discharge, 31,400 cfs Mar. 8, 1935; maximum gage height, 26.41 ft in gage well, 26.73 ft from outside gage Feb. 24, 1961; minimum discharge, 1.7 cfs Oct. 5, 1954 (gage height, 1.02 ft).

Maximum stage known, 29.0 ft in March 1902, from reports of U.S. Weather Bureau.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30, 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	82	60	964	1,746	1,020	992	687	78	205	110	34
2	107	75	62	1,500	1,710	1,530	890	608	73	124	133	29
3	97	76	516	1,700	1,570	1,880	845	801	65	111	144	26
4	90	70	654	3,220	1,520	2,140	896	647	60	187	149	34
5	86	66	882	3,890	1,590	2,170	874	559	56	166	127	81
6	114	72	1,980	5,780	1,860	1,910	820	492	52	189	112	78
7	171	85	3,800	8,730	3,030	1,860	719	452	48	149	100	70
8	255	85	5,120	9,390	3,280	2,170	632	438	44	124	77	65
9	409	78	8,350	7,780	3,740	2,350	568	426	44	102	63	56
10	499	71	10,100	7,720	3,800	2,300	492	440	43	82	50	47
11	475	64	9,090	9,180	4,140	2,050	455	463	41	68	41	40
12	343	59	7,240	15,400	4,210	1,830	416	472	41	55	34	34
13	222	53	5,800	20,200	3,640	1,670	373	538	40	52	34	31
14	160	49	4,870	14,300	3,400	1,560	324	552	38	46	34	28
15	127	46	4,040	9,640	2,890	1,450	289	508	44	41	30	28
16	105	44	3,360	6,890	2,300	1,400	375	499	61	43	28	27
17	90	42	2,880	5,260	1,940	1,300	394	499	61	57	25	29
18	77	40	2,550	4,140	1,980	1,200	358	645	64	77	21	115
19	66	47	2,260	3,200	1,960	1,100	366	392	59	79	21	75
20	59	53	2,090	2,340	1,970	996	386	318	55	67	20	85
21	53	50	2,040	1,840	1,820	884	382	261	47	53	18	91
22	48	48	2,220	1,580	1,680	811	535	214	40	44	17	82
23	45	48	2,300	1,380	1,630	769	535	183	36	53	38	86
24	99	52	2,170	1,180	1,620	733	513	158	37	57	171	117
25	141	60	1,950	1,020	1,590	731	497	192	41	36	110	120
26	135	67	1,730	889	1,500	723	494	156	47	29	85	102
27	117	66	1,530	794	1,380	666	470	125	47	26	70	85
28	107	64	1,340	740	1,250	816	409	103	39	26	58	74
29	98	62	1,180	748	1,110	1,060	501	86	50	44	51	66
30	93	60	1,040	1,180	------	1,200	704	79	82	85	45	69
31	90	------	998	1,500	------	1,170	------	79	------	154	38	------
TOTAL	4,702	1,834	94,262	154,074	66,110	43,449	16,486	12,070	1,533	2,636	2,054	1,904
MEAN	152	61.1	3,041	4,970	2,280	1,402	550	389	51.1	85.0	66.3	63.5
MAX	499	85	10,100	20,200	4,210	2,350	992	801	82	205	171	120
MIN	45	40	60	740	1,110	666	289	79	36	26	17	26
CFSM	.17	.07	3.39	5.53	2.54	1.56	.61	.43	.06	.09	.07	.07
IN.	.19	.08	3.90	6.38	2.74	1.80	.68	.50	.06	.11	.09	.08

CAL YR 1971 TOTAL 546,583 MEAN 1,497 MAX 14,000 MIN 40 CFSM 1.67 IN 22.64
WTR YR 1972 TOTAL 401,114 MEAN 1,096 MAX 20,200 MIN 17 CFSM 1.22 IN 16.62

02482550 Pearl River near Carthage, Miss.

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, 2.1 miles south of Carthage, 4.0 miles downstream from Lobutcha Creek, and 10.8 miles upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,347 sq mi.

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 1,437 cfs (14.49 inches per year).

EXTREMES.--Current year: Maximum discharge, 21,300 cfs Jan. 14 (gage height, 23.63 ft); minimum, 78 cfs Sept. 16 (gage height, 2.54 ft).

Period of record: Maximum discharge, 23,600 cfs Apr. 15, 1969 (gage height, 24.02 ft); minimum, 31 cfs Oct. 30, 1963 (gage height, 2.36 ft).

Maximum stage known, about 27 ft in March 1902; flood in 1900 reached a stage of 25.6 ft; flood in 1932 reached a stage of 24.3 ft; flood of April 11, 1938, reached a stage of 23.3 ft, all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (discharge, 31,900 cfs).

REMARKS.--Records good except those below 150 cfs prior to Sept. 13, which are fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	293	180	162	1,730	2,740	1,630	1,770	1,140	191	633	301	94
2	268	170	159	2,210	2,840	2,280	1,580	1,090	185	638	237	90
3	239	163	422	3,050	2,750	3,510	1,380	1,310	177	644	230	86
4	216	159	1,060	4,100	2,540	4,190	1,290	1,300	160	596	233	82
5	204	158	1,280	6,390	2,420	4,250	1,350	1,200	155	506	243	125
6	199	165	2,340	8,010	2,410	4,020	1,310	1,080	145	412	239	291
7	222	159	4,730	9,130	3,400	3,690	1,220	901	130	371	206	190
8	277	164	5,620	10,700	4,240	3,560	1,090	872	120	315	160	160
9	367	166	6,430	11,500	4,850	3,670	967	1,130	121	268	140	140
10	499	160	8,150	12,000	5,260	3,690	872	1,240	118	229	130	120
11	565	150	10,400	15,500	5,430	3,470	795	1,200	113	199	264	115
12	533	140	11,100	18,300	5,540	3,120	735	1,090	110	183	208	105
13	433	134	10,000	19,500	5,630	2,690	686	954	108	165	160	95
14	332	127	8,620	20,800	5,360	2,340	636	985	107	160	140	88
15	273	120	7,380	17,700	4,640	2,140	581	982	120	184	125	82
16	233	117	6,260	12,600	3,930	2,050	616	913	212	256	115	79
17	206	115	5,380	9,740	3,310	2,030	964	824	176	279	107	87
18	186	112	5,070	7,500	3,000	1,950	993	745	199	264	100	464
19	169	130	4,890	5,920	3,100	1,850	862	671	199	232	94	476
20	150	160	4,530	4,490	3,110	1,700	774	574	253	204	88	334
21	140	181	4,250	3,470	2,990	1,530	680	488	229	180	85	237
22	130	179	4,040	2,780	2,790	1,370	759	432	172	160	83	203
23	125	167	3,980	2,350	2,600	1,250	923	379	130	150	90	190
24	120	161	3,910	2,060	2,400	1,170	938	341	108	172	130	178
25	187	163	3,600	1,800	2,260	1,130	841	315	120	232	182	185
26	244	163	2,980	1,570	2,170	1,140	766	328	166	167	155	189
27	257	166	2,520	1,390	2,060	1,100	717	346	190	150	135	186
28	263	166	2,210	1,260	1,920	1,260	671	298	177	135	120	186
29	232	163	1,960	1,220	1,770	1,670	644	247	184	153	110	162
30	205	161	1,770	1,720	------	1,820	903	219	216	265	104	178
31	188	------	1,760	2,450	------	1,860	------	200	------	322	98	------
TOTAL	7,955	4,619	136,963	222,950	97,460	73,130	28,313	23,794	4,791	8,824	4,812	5,197
MEAN	257	154	4,418	7,192	3,361	2,359	944	768	160	285	155	173
MAX	565	181	11,100	20,800	5,630	4,250	1,770	1,310	253	644	301	476
MIN	120	112	159	1,220	1,770	1,100	581	200	107	135	83	79
CFSM	.19	.11	3.28	5.34	2.50	1.75	.70	.57	.12	.21	.12	.13
IN.	.22	.13	3.78	6.16	2.69	2.02	.78	.66	.13	.24	.13	.14

CAL YR 1971 TOTAL 830,584 MEAN 2,276 MAX 17,300 MIN 112 CFSM 1.69 IN 22.96
WTR YR 1972 TOTAL 618,808 MEAN 1,691 MAX 20,800 MIN 79 CFSM 1.26 IN 17.09

02483000 Tuscolameta Creek at Walnut Grove, Miss.

LOCATION.--Lat 32°35', long 89°28', in NW¼ sec.34, T.9 N., R.8 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mile southwest of Walnut Grove, 0.6 mile upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 miles upstream from junction of north and south drainage canals, and 15.5 miles upstream from mouth.

DRAINAGE AREA.--411 sq mi (combined drainage area for all channels).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304.

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939, to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mile upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mile south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft downstream, at same datum. Prior to Oct. 1, 1971, at datum 10 ft higher. Datum of gages is 322.70 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--34 years, 467 cfs (15.43 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,200 cfs Dec. 8 (gage height, 28.28 ft, north canal); maximum gage height, south canal, 29.59 ft Dec. 8; minimum daily discharge 3.6 cfs Sept. 16, 17.

Period of record: Maximum discharge, 34,600 cfs Jan. 7, 1950 (gage height, 23.00 ft, north canal, site and datum then in use); maximum gage height, south canal, 21.53 ft Jan. 7, 1950, site and datum then in use; minimum discharge, 2.4 cfs Oct. 2, 1954.

Prior to canalization, creek reached a stage of 24.5 ft, site and datum then in use, from floodmark, sometime between 1920 and 1925.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated channels.

REVISIONS (WATER YEARS).--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	32	37	670	2,870	198	404	101	18	40	18	13
2	50	33	46	1,380	1,810	1,500	275	82	15	21	16	7.8
3	42	28	511	1,900	746	2,400	202	132	14	14	12	5.7
4	39	25	793	4,060	579	3,050	194	126	13	10	8.5	6.5
5	35	23	614	5,540	411	1,560	214	115	9.0	6.8	6.0	5.1
6	41	34	2,870	5,720	628	531	184	73	8.5	6.7	4.7	3.8
7	62	31	7,210	4,270	3,230	367	168	124	8.2	9.7	4.1	3.2
8	60	25	12,800	1,630	3,950	976	148	140	9.4	7.1	3.7	7.6
9	48	22	7,630	920	4,380	1,520	123	108	10	8.0	3.6	5.7
10	44	25	3,970	3,740	2,260	459	111	79	8.6	8.5	4.6	4.8
11	41	30	1,580	6,540	613	534	102	64	12	6.5	7.4	4.2
12	34	36	1,030	7,300	723	361	92	59	28	5.4	8.3	3.8
13	32	33	1,070	4,860	1,520	277	86	95	21	5.6	18	3.8
14	31	33	918	1,840	1,290	246	82	191	10	7.4	20	4.4
15	28	29	610	575	774	234	75	139	8.5	17	13	4.0
16	28	31	580	371	490	473	127	101	8.2	16	6.6	3.6
17	27	36	506	304	414	973	163	61	8.2	8.5	5.0	3.6
18	26	34	562	286	672	763	144	45	8.2	15	4.9	4.0
19	27	29	487	269	896	426	103	40	8.0	19	4.3	6.6
20	25	26	530	258	596	283	83	39	7.8	9.5	3.7	8.9
21	26	36	874	318	379	220	83	35	7.7	5.7	3.4	7.7
22	26	43	653	362	307	188	215	30	7.7	4.7	13	5.6
23	29	50	434	352	280	160	208	26	7.6	4.2	30	35
24	53	66	239	315	270	145	128	22	7.5	8.4	20	54
25	88	96	235	273	256	148	76	42	7.4	14	9.8	35
26	61	126	211	215	225	147	60	46	9.4	21	5.9	17
27	34	67	195	187	203	148	56	40	9.9	224	7.0	9.4
28	27	59	222	155	177	745	56	28	8.6	174	8.1	9.8
29	23	54	520	301	163	1,619	80	23	17	63	7.4	12
30	23	37	462	1,510	------	1,330	88	19	39	42	7.3	39
31	26	------	725	2,630	------	764	------	21	------	22	17	------
TOTAL	1,197	1,247	49,137	59,183	31,106	23,661	4,130	2,246	355.4	824.7	301.3	334.6
MEAN	38.6	41.6	1,585	1,909	1,073	764	138	72.5	11.8	26.6	9.72	11.2
MAX	88	126	12,800	7,300	4,380	3,050	404	191	39	224	30	54
MIN	23	22	37	155	163	145	56	19	7.4	4.2	3.4	3.2
CFSM	.09	.10	3.86	4.64	2.61	1.86	.34	.18	.03	.06	.02	.03
IN.	.11	.11	4.45	5.36	2.82	2.14	.37	.20	.03	.07	.03	.03

CAL YR 1971 TOTAL 249,902.0 MEAN 685 MAX 12,800 MIN 21 CFSM 1.67 IN 22.62
WTR YR 1972 TOTAL 173,743.0 MEAN 475 MAX 12,800 MIN 3.2 CFSM 1.16 IN 15.73

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	0600	-	14,200	01-11	2400	-	8,100
01-05	2200	-	6,200	02-09	0600	-	4,530

02484000 Yockanookany River near Kosciusko, Miss.

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw meridian, Attala County, on left bank at downstream side of bridge on State Highway 35, 2 miles south of Kosciusko.

DRAINAGE AREA.--314 sq mi.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft above mean sea level (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 394 cfs (17.04 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,700 cfs Jan. 12 (gage height, 15.75 ft); minimum, 12 cfs Sept. 15, 16; minimum gage height, 5.45 ft June 10.

Period of record: Maximum discharge, 19,300 cfs Mar. 29, 1951 (gage height, 18.72 ft); minimum, 2.3 cfs Aug. 20-24, 1943; minimum gage height, 0.10 ft Sept. 3-6, 1939.

Flood in December 1932 reached a stage of about 17 ft (from information by Corps of Engineers).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1946.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	23	45	497	1,390	251	331	129	25	290	77	14
2	23	23	45	1,390	762	1,580	217	107	23	583	53	14
3	20	55	562	2,340	488	3,100	181	354	21	287	32	14
4	29	66	819	4,010	355	3,490	227	404	19	200	26	14
5	30	48	523	5,400	270	3,380	251	185	18	123	22	24
6	39	36	1,170	6,390	420	1,940	202	97	16	80	19	31
7	29	29	2,780	4,970	1,670	700	176	747	15	55	17	26
8	23	26	2,400	2,676	1,240	575	157	2,670	18	42	16	21
9	19	27	2,230	1,310	679	860	130	2,340	18	36	18	20
10	19	30	1,760	4,610	422	625	115	2,000	15	32	37	18
11	18	31	1,260	6,820	316	390	112	855	169	30	31	17
12	18	32	1,020	7,310	347	298	117	299	62	27	39	15
13	17	32	1,290	4,230	478	257	103	452	31	333	101	14
14	17	31	1,650	2,340	449	235	94	523	25	538	87	13
15	17	34	1,300	929	334	213	83	231	62	457	43	13
16	18	31	1,070	474	275	355	275	124	196	510	28	13
17	19	30	1,770	340	251	427	330	86	106	207	21	31
18	20	34	2,440	316	563	314	178	115	63	160	19	170
19	19	72	2,180	317	918	273	108	99	59	84	18	153
20	19	74	2,110	311	585	263	89	66	36	57	16	98
21	20	58	1,380	292	347	211	80	55	28	43	15	45
22	21	41	694	277	274	184	88	42	23	36	31	117
23	23	32	345	261	261	160	96	34	26	31	69	128
24	49	37	238	241	269	142	85	32	18	32	29	67
25	85	40	206	218	246	144	62	93	24	42	24	39
26	53	39	187	187	243	218	50	54	72	32	25	31
27	35	38	175	180	386	201	47	37	59	28	30	30
28	27	37	165	149	347	303	43	30	44	25	21	34
29	23	42	155	344	256	620	148	26	41	25	18	36
30	23	46	258	1,330	------	1,120	204	31	81	44	16	88
31	23	------	579	1,820	------	655	------	30	------	47	15	------
TOTAL	821	1,174	32,806	62,283	14,841	23,484	4,379	12,347	1,406	4,516	1,013	1,348
MEAN	26.5	39.1	1,058	2,009	512	758	146	398	46.9	146	32.7	44.9
MAX	85	74	2,780	7,310	1,670	3,490	331	2,670	196	583	101	170
MIN	17	23	45	149	243	142	43	26	15	25	15	13
CFSM	.08	.12	3.37	6.40	1.63	2.41	.47	1.27	.15	.47	.10	.14
IN.	.10	.14	3.89	7.38	1.76	2.78	.52	1.46	.17	.54	.12	.16

CAL YR 1971 TOTAL 216,691 MEAN 594 MAX 5,970 MIN 16 CFSM 1.89 IN 25.67
WTR YR 1972 TOTAL 160,418 MEAN 438 MAX 7,310 MIN 13 CFSM 1.39 IN 19.00

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-06	1400	15.34	6,620	03-04	2100	14.44	3,930
01-12	0800	15.75	7,700				

02484500 Yockanookany River near Ofahoma, Miss.

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw meridian, Leake County, near center of main span on downstream side of bridge on State Highway 16, 1.5 miles east of Ofahoma, 3 miles upstream from mouth, and 8.5 miles southwest of Carthage.

DRAINAGE AREA.--484 sq mi.

PERIOD OF RECORD.--October 1943 to current year. Prior to October 1947, published as Yokahockany River near Ofahoma.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--29 years, 621 cfs (17.41 inches per year).

EXTREMES.--Current year: Maximum discharge, 8,720 cfs Jan. 11 (gage height, 17.94 ft); minimum, 13 cfs Sept. 6, 7 (gage height, 2.11 ft).

Period of record: Maximum discharge, 20,700 cfs Mar. 31, 1951 (gage height, 20.28 ft); minimum, 4.9 cfs Aug. 20, Sept. 11, 1954; minimum gage height, 2.17 ft Oct. 1-8, 1970.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1204: 1948. WSP 1504: 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	58	74	376	988	449	696	285	40	70	23	14
2	73	48	79	829	1,350	1,130	850	301	35	275	25	14
3	66	47	286	1,240	1,680	1,980	760	373	32	553	32	13
4	61	47	385	2,830	1,530	2,120	476	279	29	654	32	13
5	59	54	431	5,660	1,140	3,460	351	329	26	588	22	13
6	58	77	935	5,920	862	4,260	323	377	24	403	18	13
7	61	72	1,880	5,650	1,430	4,370	315	369	22	188	15	14
8	63	63	2,080	6,070	1,610	3,520	257	1,170	21	85	14	20
9	64	57	2,230	5,630	1,940	2,300	200	1,690	24	50	14	20
10	57	52	2,680	5,570	1,900	1,570	164	2,310	23	32	16	17
11	54	47	2,660	8,430	1,500	1,150	133	2,730	21	25	32	15
12	51	48	2,330	7,590	1,180	965	114	2,340	45	23	71	14
13	49	50	2,050	7,140	964	795	105	1,940	63	23	49	13
14	48	54	1,670	6,930	777	562	103	1,350	45	23	22	13
15	47	58	1,350	5,510	717	401	92	782	31	106	39	13
16	46	49	1,300	3,890	680	391	257	601	31	255	45	13
17	46	54	2,460	2,400	605	399	311	489	48	339	27	14
18	46	64	2,730	1,600	675	441	307	269	122	379	19	309
19	46	77	2,230	998	789	511	335	154	100	291	16	299
20	47	86	1,970	646	770	472	214	145	61	145	15	231
21	48	106	2,140	519	854	373	116	127	38	63	14	163
22	49	80	2,040	469	867	329	96	94	32	31	14	88
23	50	95	1,870	431	746	265	105	76	27	26	15	39
24	53	75	1,510	396	535	210	104	66	24	23	26	58
25	62	77	1,020	364	432	186	91	38	22	29	50	75
26	77	72	565	320	398	178	75	35	39	30	49	48
27	98	74	381	291	389	170	55	51	87	23	33	44
28	83	77	312	263	359	339	43	41	74	23	22	27
29	67	76	277	267	413	467	73	36	65	24	21	25
30	59	76	273	757	------	489	188	41	75	40	19	33
31	52	------	250	924	------	553	------	36	------	48	16	------
TOTAL	1,821	1,970	42,644	90,018	28,160	34,805	7,309	18,922	1,326	4,867	825	1,685
MEAN	58.7	65.7	1,376	2,904	971	1,123	244	610	44.2	157	26.6	56.2
MAX	98	106	2,730	8,430	1,940	4,370	850	2,730	122	654	71	309
MIN	46	47	74	263	359	170	43	35	21	23	14	13
CFSM	.12	.14	2.84	6.00	2.01	2.32	.50	1.26	.09	.32	.06	.12
IN.	.14	.15	3.28	6.92	2.16	2.67	.56	1.45	.10	.37	.06	.13

CAL YR 1971 TOTAL 315,080 MEAN 863 MAX 7,650 MIN 38 CFSM 1.78 IN 24.21
WTR YR 1972 TOTAL 234,352 MEAN 640 MAX 8,430 MIN 13 CFSM 1.32 IN 18.01

02486000 Pearl River at Jackson, Miss.

LOCATION.--Lat 32°17'20", long 90°10'45", in NE¼SE¼ sec.10, T.5 N., R.1 E., Choctaw meridian, Rankin County, on left bank at downstream side of Woodrow Wilson Bridge at eastern city limits of Jackson, 0.2 mile upstream from Illinois Central Railroad bridge, 0.2 mile upstream from Town Creek, 4.5 miles upstream from Richland Creek, and at mile 287.6.

DRAINAGE AREA.--3,100 sq mi, approximately.

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 234.90 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 31, 1913, and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage at same site and datum. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant 7 miles upstream. Datum of auxiliary gage is 239.40 ft above mean sea level.

AVERAGE DISCHARGE.--55 years (1901-12, 1928-72), 3,738 cfs (16.37 inches per year).

EXTREMES.--Current year: Maximum discharge, 31,600 cfs Jan. 17 (gage height, 32.56 ft at Woodrow Wilson bridge); maximum gage height at waterworks, 29.45 ft Jan. 17; minimum daily discharge, 88 cfs Sept. 3.

Period of record: Maximum discharge, 85,000 cfs Mar. 31, 1902 (gage height, 37.5 ft) from rating curve extended above 57,000 cfs; minimum daily discharge, 45 cfs Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 cfs Oct. 11, 1954; minimum unregulated gage height, 0.20 ft Nov. 4, 5, 1911.

According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft; and the flood of Dec. 5, 1880, reached a stage of 36½ ft. The flood of Apr. 21, 1900, reached a stage of 36.7 ft, according to the Alabama and Vicksburg Railroad bridge plans confirmed by local residents.

REMARKS.--Records good. About 35 cfs is diverted upstream from station for municipal water supply for city of Jackson, most of which is returned to river and is included in discharge records. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 19 miles upstream.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 1504: 1903, 1909.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	278	297	2,500	6,480	2,920	6,000	478	172	260	380	133
2	353	276	483	5,090	7,550	7,230	3,170	2,700	152	254	363	92
3	343	266	2,450	6,420	7,870	9,600	2,060	5,450	145	290	358	88
4	330	230	1,620	9,900	7,880	10,400	2,250	4,280	143	279	352	136
5	309	230	1,690	13,100	7,800	11,800	2,200	3,330	185	260	346	349
6	297	271	6,430	14,600	8,240	12,400	2,120	2,250	299	251	346	296
7	371	280	10,200	15,300	10,300	12,500	2,030	2,390	279	254	338	288
8	688	261	12,800	16,400	10,100	12,200	2,030	3,050	282	268	332	285
9	692	278	14,700	17,900	10,600	11,700	2,010	2,330	279	260	335	260
10	684	268	15,700	24,800	11,800	11,200	1,900	2,200	279	262	330	240
11	670	157	16,000	27,400	12,300	9,840	1,960	2,400	276	276	327	235
12	662	110	16,300	27,800	12,500	8,940	1,300	3,310	254	360	476	237
13	644	103	17,500	29,100	12,900	8,140	938	5,360	291	553	437	237
14	578	98	18,400	29,500	11,700	6,520	885	5,740	299	313	355	232
15	575	132	17,500	29,900	6,960	5,280	864	4,250	484	276	316	235
16	575	261	15,300	31,200	7,510	3,880	1,160	2,840	467	285	304	251
17	571	264	13,800	31,500	7,720	3,130	742	2,560	307	307	296	251
18	569	300	12,800	29,600	8,000	2,930	366	2,460	262	293	293	214
19	566	1,100	11,400	26,500	7,120	2,870	276	1,700	256	332	296	214
20	564	741	10,200	19,100	6,150	2,940	327	960	251	290	285	296
21	564	711	9,580	14,200	5,050	2,810	366	449	293	271	282	364
22	558	711	8,910	11,000	5,330	2,700	664	398	293	260	313	452
23	564	703	7,570	9,040	5,330	2,680	704	332	279	304	282	290
24	554	677	7,790	7,480	4,930	2,290	777	310	276	310	251	276
25	538	666	7,960	6,390	3,170	2,310	936	302	313	269	164	296
26	319	652	7,800	5,510	2,070	2,130	1,460	296	282	271	130	395
27	288	636	6,590	3,620	1,930	1,480	669	285	266	282	119	332
28	283	283	5,360	2,940	2,020	2,530	383	276	285	260	105	605
29	286	211	3,300	2,970	2,720	4,290	380	260	350	2,290	376	290
30	283	211	2,360	4,000	------	4,960	336	294	291	670	372	567
31	286	------	2,520	4,140	------	4,370	------	260	------	538	360	------
TOTAL	14,980	11,350	286,270	470,500	210,630	190,010	41,431	63,050	8,192	11,763	9,667	8,232
MEAN	482	378	9,202	15,170	7,270	6,155	1,380	2,036	273	379	311	274
MAX	692	1,100	18,400	31,500	12,900	12,500	6,000	5,740	484	2,290	476	605
MIN	283	98	297	2,500	1,930	1,480	276	260	143	251	105	88
CFSM	.16	.12	2.97	4.89	2.46	1.98	.45	.66	.09	.12	.10	.09
IN.	.18	.14	3.42	5.70	2.56	2.29	.50	.76	.10	.14	.12	.10

CAL YR 1971 TOTAL 1,901,100 MEAN 5,209 MAX 31,700 MIN 98 CFSM 1.68 IN 22.81
WTR YR 1972 TOTAL 1,362,037 MEAN 3,666 MAX 31,500 MIN 88 CFSM 1.18 IN 16.06

02488500 Pearl River near Monticello, Miss.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mile east of Monticello, 2.5 miles upstream from Halls Creek, 3 miles upstream from Silver Creek, and at mile 190.8.

DRAINAGE AREA.--5,040 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected in vicinity since 1924, are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

AVERAGE DISCHARGE.--34 years, 5,975 cfs (16.10 inches per year).

EXTREMES.--Current year: Maximum discharge, 36,200 cfs Dec. 8 (gage height, 25.31 ft); minimum, 330 cfs Sept. 5 (gage height, 3.60 ft).

Period of record: Maximum discharge, 63,500 cfs Dec. 25, 1961 (gage height, 29.64 ft); minimum, 269 cfs Oct. 24, 1963.

Flood in April 1902 reached a stage of about 33 ft, from reports of U.S. Weather Bureau (discharge, about 100,000 cfs, from rating curve extended above 70,000 cfs). A discharge of 69,900 cfs was measured Apr. 8, 1938, by Corps of Engineers (gage height, 30.15 ft, from floodmark).

REMARKS.--Records good. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939, 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,750	619	724	5,520	20,600	5,300	7,760	1,070	814	2,010	2,130	560
2	1,250	612	1,110	6,110	18,700	9,310	7,810	1,150	790	1,280	1,540	582
3	836	607	4,920	9,790	15,700	15,800	7,020	2,670	766	964	976	530
4	669	599	6,210	11,700	13,300	18,200	5,090	5,080	730	1,220	766	430
5	634	593	5,150	17,900	11,500	18,100	6,390	5,800	688	1,120	682	351
6	704	570	16,400	20,700	10,900	16,800	5,900	5,110	654	964	643	359
7	871	533	31,100	20,600	12,800	15,400	4,730	4,350	610	802	415	385
8	1,110	495	35,700	19,800	15,700	15,200	4,090	5,130	621	712	415	555
9	864	544	34,000	19,100	17,400	16,300	3,720	4,780	706	670	577	520
10	1,080	583	32,200	24,300	17,600	17,100	3,500	4,280	718	643	560	500
11	1,220	624	30,600	28,600	16,700	16,700	3,330	3,650	710	615	559	481
12	1,210	627	27,900	30,100	15,900	15,500	3,150	3,740	712	604	555	457
13	1,180	568	24,800	30,000	17,000	13,000	2,930	7,940	718	637	494	457
14	1,170	496	22,200	29,900	17,800	12,200	2,400	7,200	682	718	414	425
15	1,170	438	21,100	30,100	17,800	10,700	1,920	6,830	688	1,000	420	403
16	1,060	414	21,400	30,100	17,000	9,300	2,350	6,440	844	892	444	390
17	1,030	388	21,600	30,000	15,300	9,040	2,940	5,210	910	736	494	421
18	1,050	397	22,200	29,900	12,700	7,690	2,560	4,140	1,040	718	637	500
19	1,070	509	21,900	30,100	11,100	6,250	1,880	3,750	965	754	571	500
20	1,040	667	21,700	30,900	10,800	5,500	1,300	3,470	780	730	550	500
21	1,020	1,460	21,100	32,000	10,000	5,180	1,180	2,700	686	690	545	662
22	1,010	1,210	19,900	33,500	9,900	5,030	5,200	1,720	682	724	520	634
23	1,010	1,120	16,100	31,900	8,890	4,880	3,890	1,360	736	670	530	601
24	990	1,160	17,400	29,000	7,020	4,700	1,930	1,210	719	712	566	563
25	985	1,210	11,200	25,500	7,390	4,540	1,770	1,110	696	650	670	610
26	1,010	1,210	10,100	19,800	6,620	4,270	1,540	1,030	736	780	606	535
27	982	1,150	9,740	13,200	5,350	4,230	1,710	996	736	830	637	531
28	863	1,100	9,470	9,950	4,630	4,990	2,080	960	960	802	530	637
29	763	1,110	8,980	7,100	4,410	7,920	1,610	912	1,070	786	566	780
30	744	917	7,570	12,400	------	9,950	1,190	886	1,710	852	525	804
31	638	------	5,800	14,900	------	8,190	------	850	------	2,990	667	------
TOTAL	29,813	22,530	535,230	687,670	369,310	317,100	107,000	105,090	23,293	25,360	22,330	15,090
MEAN	962	751	17,270	22,180	12,730	10,230	3,600	3,390	776	818	720	503
MAX	1,750	1,460	35,700	33,500	20,600	18,200	7,810	7,940	1,710	2,990	2,130	804
MIN	638	388	724	5,520	4,410	4,230	1,180	850	610	604	414	351
CFSM	.19	.15	3.43	4.40	2.53	2.03	.71	.67	.15	.16	.14	.10
IN.	.22	.17	3.95	5.07	2.73	2.34	.80	.78	.17	.19	.16	.11

CAL YR 1971 TOTAL 2,069,023 MEAN 5,668 MAX 35,700 MIN 388 CFSM 1.12 IN 15.28
WTR YR 1972 TOTAL 2,258,795 MEAN 6,171 MAX 35,700 MIN 351 CFSM 1.22 IN 16.67

02488700 Whitesand Creek near Oak Vale, Miss.

LOCATION.--Lat 31°28', long 89°58', in SW¼ sec.24, T.6 N., R.20 W., St. Stephens meridian, Lawrence County, near right bank on downstream side of bridge on State Highway 43, 1.2 miles upstream from Illinois Central Railroad bridge, 2.3 miles north of Oak Vale, and 3.7 miles upstream from mouth.

DRAINAGE AREA.--131 sq mi.

PERIOD OF RECORD.--September 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft above mean sea level (from information by Mississippi State Highway Department).

AVERAGE DISCHARGE.--7 years, 146 cfs (15.13 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,350 cfs Dec. 7 (gage height, 8.23 ft); minimum, 59 cfs Sept. 12-16.
Period of record: Maximum discharge, 4,490 cfs Feb. 13, 1966 (gage height, 10.54 ft); minimum, 59 cfs Sept. 12-16, 1972.
Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (15,900 cfs), from floodmark. Maximum stage known since at least 1879, 20¼ ft in April 1900 and flood in January 1925 reached a stage of 17.3 ft (from information by local residents).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	77	101	130	526	280	131	98	89	166	80	79
2	84	80	252	130	300	650	122	97	89	105	78	78
3	83	83	618	142	289	860	118	99	88	98	77	78
4	81	81	384	438	275	434	127	101	88	113	77	77
5	83	80	199	960	213	244	119	99	87	142	76	77
6	83	78	1,106	573	255	192	117	96	87	106	76	77
7	81	78	2,090	244	538	172	115	120	86	97	75	77
8	81	77	1,220	181	388	239	112	157	86	90	80	77
9	80	77	340	166	239	264	107	140	86	85	81	76
10	80	78	278	860	196	195	105	109	88	83	80	76
11	80	81	349	1,190	176	166	104	103	90	79	80	76
12	77	81	231	645	211	154	104	137	91	79	79	74
13	76	80	170	318	272	147	104	312	91	83	78	74
14	77	80	152	220	218	143	103	253	90	83	80	73
15	78	80	261	179	183	140	102	141	90	81	87	73
16	78	78	405	156	176	143	114	113	91	80	88	74
17	78	77	412	148	174	140	115	105	92	80	81	77
18	80	77	333	144	164	137	108	103	91	78	80	78
19	80	83	231	142	152	134	106	100	90	78	78	76
20	80	84	498	166	142	130	102	97	90	82	78	76
21	80	84	526	231	140	129	99	96	89	81	77	78
22	80	78	269	450	138	128	102	94	89	81	76	76
23	80	78	183	550	146	125	346	93	90	82	87	77
24	80	78	162	276	144	121	231	92	89	81	90	85
25	78	77	152	190	140	119	118	92	89	80	90	81
26	78	77	150	166	136	110	105	91	90	80	87	77
27	78	77	144	150	132	110	102	91	90	80	84	78
28	78	78	138	144	130	247	100	91	89	80	83	80
29	78	97	136	244	134	313	98	91	88	80	82	80
30	77	104	132	700	------	180	98	91	96	81	81	80
31	77	------	130	890	------	169	------	90	------	80	80	------
TOTAL	2,469	2,418	11,748	11,122	6,327	6,709	3,632	3,592	2,679	2,782	2,506	2,315
MEAN	79.6	80.6	379	359	218	216	121	116	89.3	89.7	80.8	77.2
MAX	95	104	2,090	1,190	538	860	346	312	96	166	90	85
MIN	76	77	101	130	130	110	98	90	86	78	75	73
CFSM	.61	.62	2.89	2.74	1.66	1.65	.92	.89	.68	.68	.62	.59
IN.	.70	.69	3.34	3.16	1.80	1.91	1.03	1.02	.76	.79	.71	.66

CAL YR 1971 TOTAL 62,212 MEAN 170 MAX 2,090 MIN 76 CFSM 1.30 IN 17.67
WTR YR 1972 TOTAL 56,297 MEAN 154 MAX 2,090 MIN 73 CFSM 1.21 IN 16.55

PEAK DISCHARGE (BASE, 3,500 CFS).--No peak above base.

02489500 Pearl River near Bogalusa, La.

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, near right bank on downstream side of bridge on State Highway 10, 2.0 miles east of Bogalusa, and 2.0 miles upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above mean sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 8,634 cfs (17.69 inches per year).

EXTREMES.--Current year: Maximum discharge, 45,200 cfs Dec. 13 (gage height, 19.91 ft); minimum, 1,710 cfs Sept. 19 (gage height, 5.62 ft).

Period of record: Maximum discharge, 88,200 cfs Feb. 23, 1961 (gage height, 21.70 ft); minimum, 1,020 cfs Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft Oct. 30, 31, 1963.

Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,030	2,250	3,550	11,300	19,000	8,680	12,100	3,950	2,600	2,360	2,620	1,980
2	4,510	2,220	3,300	9,460	22,300	10,600	11,400	3,680	2,740	2,640	3,090	1,960
3	4,050	2,270	6,200	8,790	26,000	14,400	10,800	4,310	2,680	3,260	3,360	1,920
4	3,680	2,360	10,800	9,830	28,000	19,500	10,700	6,140	2,630	3,020	3,080	1,940
5	3,320	2,320	10,800	18,000	27,800	19,200	10,600	5,460	2,590	2,720	2,730	1,930
6	3,060	2,220	11,400	24,500	23,600	21,000	9,150	6,320	2,550	2,800	2,420	1,880
7	2,900	2,160	19,700	[illegible]	20,700	22,600	9,020	7,520	2,500	2,870	2,240	1,820
8	2,780	2,140	31,000	[illegible]	20,900	23,600	8,610	15,500	2,480	2,670	2,140	1,780
9	2,750	2,120	34,800	27,600	21,200	24,200	7,330	25,100	2,430	2,500	2,080	1,760
10	2,800	2,120	37,800	27,700	21,200	23,600	6,360	17,400	2,440	2,340	2,040	1,780
11	2,730	2,160	40,600	28,600	21,700	22,600	5,800	12,000	2,650	2,260	2,110	1,870
12	2,640	2,180	44,600	30,100	22,900	22,100	5,500	21,300	2,640	2,220	2,120	1,840
13	2,700	2,180	44,800	32,200	24,300	22,000	5,290	23,200	2,680	2,260	2,260	1,820
14	2,710	2,190	44,600	33,900	24,700	21,300	5,110	18,700	2,610	2,500	2,270	1,800
15	2,690	2,160	44,200	36,100	24,100	19,800	4,870	16,200	2,520	2,580	2,240	1,760
16	2,650	2,110	43,500	37,500	24,000	18,400	4,590	14,400	2,480	2,640	2,280	1,740
17	2,660	2,060	41,200	38,400	25,000	17,000	4,510	11,200	2,900	2,600	2,430	1,720
18	2,710	2,020	37,800	38,800	26,400	15,300	4,740	9,890	2,870	2,700	2,450	1,720
19	2,700	2,000	34,800	39,000	25,800	13,600	4,960	8,430	2,710	2,670	2,180	1,720
20	2,660	2,000	34,800	40,200	21,700	11,700	4,650	6,980	2,630	2,480	2,150	1,750
21	2,630	2,080	36,300	41,000	18,000	9,880	4,130	5,130	2,610	2,400	2,070	1,810
22	2,600	2,120	39,400	41,800	16,100	8,600	3,440	5,600	2,480	2,450	2,040	1,820
23	2,580	2,360	39,400	42,100	14,700	8,000	4,830	4,920	2,440	2,640	2,040	1,860
24	2,570	2,560	36,300	42,300	13,100	7,500	6,910	4,180	2,550	2,450	2,120	1,900
25	2,580	2,500	31,700	42,500	11,800	7,190	6,390	3,740	2,600	2,310	2,240	1,800
26	2,550	2,500	25,100	42,700	10,900	6,470	4,650	3,450	2,430	2,280	2,300	1,900
27	2,510	2,540	18,800	42,100	10,300	6,610	4,010	3,270	2,380	2,530	2,280	1,930
28	2,480	2,610	15,900	40,200	9,360	6,800	3,740	3,120	2,360	2,540	2,360	2,170
29	2,460	3,170	14,400	38,000	7,990	8,740	3,710	3,010	2,320	2,440	2,370	2,220
30	2,420	3,990	13,500	22,700	------	10,000	3,970	2,630	2,400	2,440	2,100	2,100
31	2,330	------	12,700	17,600	------	11,000	------	2,470	------	2,490	2,020	------
TOTAL	[illegible]	69,660	861,750	955,540	583,550	463,470	197,270	[illegible]	76,870	79,200	72,270	56,010
MEAN	2,885	2,322	27,798	30,830	20,120	14,950	[illegible]	[illegible]	2,562	2,555	2,331	1,867
MAX	5,030	3,990	44,800	42,700	28,000	24,200	12,100	25,100	2,900	3,260	3,360	2,220
MIN	2,330	2,000	3,300	8,790	7,990	[illegible]	3,710	[illegible]	[illegible]	2,220	2,020	1,720
CFSM	.44	.35	4.20	4.65	3.03	2.25	.97	1.37	.39	.39	.35	.28
IN.	.50	.39	4.84	5.36	3.27	2.60	1.08	1.58	.43	.44	.41	.31

CAL YR 1971 TOTAL 4,325,650 MEAN 11,850 MAX 44,800 MIN 2,000 CFSM 1.79 IN 24.27

WTR YR 1972 TOTAL 3,782,900 MEAN 10,340 MAX 44,800 MIN 1,720 CFSM 1.56 IN 21.23

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile upstream from Bars Branch, 2.2 miles downstream from Topisaw Creek, and 9 miles northwest of Tylertown.

DRAINAGE AREA.--502 sq mi.

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above mean sea level.

AVERAGE DISCHARGE.--28 years, 755 cfs (20.42 inches per year).

EXTREMES.--Current year: Maximum discharge, 26,700 cfs Dec. 7; maximum gage height, 28.51 ft Dec. 7; minimum discharge not determined, occurred during period of no gage-height record; minimum gage height recorded, 6.16 ft Aug. 9-10, 23-24, but may have been less during period of no gage-height record in September.

Period of record: Maximum discharge, 45,700 cfs Jan. 7, 1950 (gage height, 33.50 ft); minimum, 175 cfs Oct. 31, 1963; minimum gage height recorded, 6.16 ft Aug. 9-10, 23-24, 1972, but may have been less during period of no gage-height record in September 1972.

Flood in February 1936 reached a stage 1.2 ft higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mile downstream.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1504: 1945(P), 1946(M), 1947-51, 1953.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	336	231	314	482	3,650	716	696	315	316	280	313	250
2	321	236	1,040	497	3,380	2,350	562	318	313	292	286	248
3	310	240	4,170	635	1,720	3,670	489	398	310	362	277	246
4	302	233	3,090	1,170	1,050	2,710	496	369	304	313	266	244
5	296	226	2,190	2,300	817	2,290	527	336	298	340	260	242
6	293	227	6,500	2,280	755	1,100	493	303	255	337	255	240
7	284	229	21,200	2,180	2,880	813	443	534	255	280	249	240
8	277	227	15,600	1,320	2,740	804	408	2,900	292	263	246	235
9	271	235	5,680	810	1,750	1,190	382	3,050	298	252	244	[illegible]
10	265	241	2,870	862	1,040	1,150	363	3,220	316	246	241	240
11	260	241	3,010	2,530	821	770	354	1,780	255	241	260	240
12	257	244	2,030	5,080	835	692	345	1,170	252	238	268	238
13	254	235	1,190	3,440	1,320	562	339	3,460	289	252	337	236
14	253	236	918	1,680	1,420	520	330	3,330	280	283	277	234
15	252	235	893	901	940	930	321	3,140	280	266	272	232
16	251	229	1,270	696	824	551	430	1,410	322	252	322	232
17	264	238	2,000	597	856	640	822	814	411	258	322	232
18	283	248	1,930	547	812	530	762	696	375	255	272	240
19	276	262	1,890	517	786	472	446	540	313	286	258	236
20	265	262	2,540	536	655	440	360	499	298	289	249	234
21	255	243	3,780	920	600	476	324	465	288	263	246	232
22	251	237	2,340	1,440	542	566	339	435	272	269	259	230
23	249	235	1,830	1,890	512	530	1,100	414	274	255	244	224
24	247	243	963	1,920	452	462	1,960	394	285	252	252	222
25	244	248	796	1,240	476	427	1,890	342	277	269	258	220
26	244	259	653	553	416	401	598	365	266	288	328	240
27	243	255	587	623	437	392	430	336	260	259	310	270
28	241	265	538	562	431	1,170	372	343	265	949	260	255
29	238	298	511	553	437	1,610	369	337	262	394	290	285
30	235	298	494	2,670	------	1,630	380	331	264	331	290	269
31	236	------	487	4,130	------	1,190	------	329	------	890	248	------
TOTAL	8,253	7,336	92,266	49,911	33,144	31,276	17,016	32,713	8,877	9,070	8,369	7,272
MEAN	266	245	2,976	1,601	1,143	1,009	567	1,055	296	293	270	242
MAX	336	298	21,200	5,080	3,650	3,670	1,960	3,460	411	949	337	285
MIN	235	226	314	482	411	392	321	303	255	238	241	220
CFSM	.53	.49	5.93	3.19	2.28	2.01	1.13	2.10	.59	.58	.54	.48
IN.	.61	.54	6.84	3.68	2.46	2.32	1.26	2.43	.66	.67	.62	.54

CAL YR 1971 TOTAL 292,170 MEAN 800 MAX 21,200 MIN 226 CFSM 1.59 IN 21.67
WTR YR 1972 TOTAL 305,424 MEAN 834 MAX 21,200 MIN 220 CFSM 1.66 IN 22.57

PEAK DISCHARGE (BASE, 6,000 CFS)

NOTE.--No gage-height record Aug. 29 to Sept. 27.

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-07	2000	28.51	26,700				

OHIO RIVER BASIN

TENNESSEE RIVER BASIN

03589500 Tennessee River at Florence, Ala.

LOCATION.--Lat 34°47'13", long 87°40'12", in SW 1/4 sec.14, T.3 S., R.11 W., Lauderdale County, on right bank of old lock and dam 1 canal at lower end of Patten Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1 mile south of Florence, 1.7 miles upstream from Cypress Creek, 2.7 miles downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 sq mi, approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft above mean sea level. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 miles downstream.

AVERAGE DISCHARGE.--78 years, 50,700 cfs (22.34 inches per year).

EXTREMES.--Current year: Maximum discharge, 171,000 cfs Jan. 11 (gage height, 18.31 ft); minimum daily, 13,800 cfs Sept. 4.

Period of record: Maximum discharge observed, 444,000 cfs Mar. 19, 1897 (gage height, 32.5 ft), from rating curve extended above 390,000 cfs; minimum daily, 105 cfs Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -3.0 ft Oct. 8, 1925, caused by filling of Wilson Lake.

Flood in 1867 reached a stage of 31.1 ft, from National Weather Service records (discharge, 421,000 cfs)

REMARKS.--Records good except those below 25,000 cfs, which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

REVISIONS (WATER YEARS).--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SP
1	38,300	40,700	41,400	62,100	82,000	109,000	64,000	44,400	34,500	42,000	54,700	42,80
2	40,600	45,500	43,500	101,000	86,500	122,000	74,200	38,300	31,700	22,400	57,900	24,10
3	23,100	48,600	48,000	133,000	71,000	127,000	49,300	39,300	37,400	28,400	58,100	15,80
4	35,400	50,700	58,100	155,000	72,100	140,000	35,000	48,600	29,900	36,400	47,300	13,80
5	43,400	50,200	70,500	157,000	74,500	141,000	35,600	44,100	41,900	36,900	52,400	26,90
6	37,900	46,900	71,900	155,000	77,500	140,000	25,600	46,500	34,600	56,900	23,400	40,70
7	41,100	34,200	91,100	153,000	69,900	132,000	27,700	46,300	38,400	38,700	37,900	34,70
8	40,500	50,300	121,000	150,000	75,800	113,000	27,700	48,300	45,500	34,900	40,500	32,20
9	38,300	45,000	135,000	158,000	74,300	95,700	19,600	50,200	38,400	32,800	41,900	41,70
10	33,800	49,200	147,000	166,000	56,100	85,400	20,000	46,800	34,000	37,500	40,600	26,20
11	38,900	48,800	125,000	168,000	57,900	66,700	36,000	49,600	26,600	31,800	43,600	33,40
12	38,900	46,600	111,000	163,000	55,800	62,700	26,500	46,500	33,200	36,600	42,400	34,40
13	36,700	39,300	112,000	162,000	61,500	59,100	33,400	56,400	24,300	32,100	27,700	35,70
14	35,000	37,600	111,000	163,000	63,800	58,000	29,000	63,300	37,500	33,800	41,000	37,10
15	35,900	41,600	99,700	167,000	67,700	68,400	37,400	81,800	37,000	37,400	48,000	48,70
16	39,300	46,200	86,700	167,000	58,800	59,200	22,800	46,000	34,400	34,600	50,100	34,40
17	33,300	47,000	78,200	156,000	60,700	42,500	35,400	49,000	35,300	31,400	47,100	36,40
18	35,300	43,000	85,600	113,000	62,400	55,300	31,700	99,000	38,300	52,200	48,900	37,20
19	33,000	48,400	84,000	102,000	65,900	57,600	30,700	78,400	41,700	40,800	37,700	40,70
20	33,800	51,100	85,900	84,300	69,600	50,200	34,300	61,000	50,100	44,000	31,300	49,10
21	40,100	44,000	92,400	80,400	71,600	41,900	32,600	47,500	54,000	43,000	47,600	49,00
22	42,300	43,300	89,400	100,000	75,300	39,200	68,900	42,700	53,200	50,900	42,300	42,10
23	42,700	42,000	87,600	91,300	67,500	61,000	86,200	42,400	50,500	54,700	45,400	31,50
24	33,000	39,500	85,300	92,000	69,700	53,000	85,600	48,000	34,000	41,400	47,000	21,
25	44,000	43,100	68,500	91,000	60,500	63,000	64,100	51,000	16,900	39,800	40,200	40,
26	42,800	44,800	63,300	91,300	74,500	38,900	60,500	58,000	32,400	50,200	37,000	30,
27	39,300	44,000	65,700	92,000	91,400	57,900	58,100	45,600	39,900	60,700	32,900	44,
28	37,900	48,300	61,300	91,700	102,000	69,000	54,700	47,700	38,100	47,000	35,000	44,
29	40,100	43,000	54,600	88,700	109,000	72,900	52,700	44,600	52,900	66,000	41,300	44,
30	40,700	39,400	60,300	98,600	-------	94,000	42,600	47,100	50,300	61,600	39,000	44,
31	36,300	-------	54,500	82,900	-------	69,000	-------	48,900	-------	72,100	42,100	---
TOTAL	1,172,300	1,344,300	2,546,700	3,836,400	2,092,300	2,393,800	1,314,700	1,689,700	1,156,700	1,293,400	1,313,300	1,11
MEAN	37,830	44,810	82,150	123,800	72,150	77,220	43,820	54,500	38,560	41,720	42,360	37,
MAX	44,000	51,100	147,000	168,000	109,000	141,000	86,200	99,000	54,100	72,100	58,100	49,
MIN	23,100	34,200	41,400	62,100	55,800	38,900	19,600	38,300	16,900	22,400	23,400	13,

CAL YR 1971 TOTAL 19,659,150 MEAN 53,860 MAX 163,000 MIN 9,450

WTR YR 1972 TOTAL 21,263,300 MEAN 58,100 MAX 168,000 MIN 13,800

03592101 Bear Creek at Mingo, Miss.

LOCATION.--Lat 34°38'00", long 87°09'20", in NE 1/4 NE 1/4 sec. 20, T.5 S., R.11 E., Tishomingo County, on right bank, 300 ft upstream from bridge on county road, 0.5 mile northwest of Mingo, and at mile 30.8.

DRAINAGE AREA.--329 sq mi.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 428.58 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 5,040 cfs Jan. 4 (gage height, 13.35 ft); minimum daily, 24 cfs Aug. 31.
Period of record: Maximum discharge, 6,470 cfs Dec. 31, 1969; minimum daily, 20 cfs Sept. 5, 1970.

REMARKS.--Records good. Flow regulated by Bear Creek Reservoir 43.8 miles upstream beginning Mar. 14, 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	121	138	483	630	238	1,780	350	191	400	371	30
2	38	138	112	3,170	623	833	1,660	370	185	270	315	45
3	27	357	233	2,750	451	1,450	1,380	360	180	270	270	45
4	53	265	374	3,570	521	1,440	1,560	315	180	230	240	45
5	109	166	598	3,560	497	1,400	1,080	273	176	162	191	47
6	87	215	651	2,870	441	1,300	1,180	243	164	180	129	50
7	89	258	1,510	2,490	312	1,300	962	273	120	138	115	52
8	88	270	745	2,320	392	1,300	829	1,860	115	125	110	39
9	84	303	1,110	2,440	472	1,300	1,060	1,360	109	118	108	39
10	82	300	1,310	3,010	409	1,200	665	801	108	115	88	50
11	81	273	1,450	2,820	220	1,100	500	525	273	112	67	57
12	80	238	1,740	2,460	430	950	413	455	409	109	66	56
13	80	210	2,010	2,290	514	860	437	472	180	108	154	56
14	80	168	1,270	2,170	483	740	416	444	101	105	142	57
15	85	162	1,720	2,060	437	620	465	409	193	80	85	56
16	78	160	1,730	1,990	399	600	962	598	150	74	96	56
17	77	158	1,840	1,930	360	780	976	651	193	72	105	70
18	80	156	1,740	1,860	427	800	843	724	140	67	103	98
19	70	164	1,580	1,800	371	680	714	787	180	63	103	100
20	72	182	1,590	1,730	291	600	605	553	228	61	102	180
21	70	200	1,220	1,660	288	520	563	371	174	63	103	250
22	73	160	945	1,530	312	600	584	282	101	72	102	270
23	109	152	728	1,090	406	626	1,260	273	78	77	100	210
24	238	113	626	983	465	577	1,330	245	82	84	100	100
25	174	105	549	801	406	707	1,290	351	99	105	120	180
26	174	140	528	553	348	675	1,070	546	95	87	100	250
27	260	148	409	423	336	633	940	364	84	166	100	260
28	238	113	327	448	253	696	800	164	92	220	100	270
29	198	110	300	504	129	1,740	600	142	162	240	95	270
30	174	110	225	458	------	1,930	450	162	500	185	25	260
31	130	------	430	504	------	1,880	------	218	------	303	24	------
TOTAL	3,319	5,615	29,738	56,807	11,623	30,075	27,374	14,941	5,042	4,461	3,929	3,548
MEAN	107	187	959	1,832	401	970	912	482	168	144	127	118
MAX	260	357	2,010	3,570	630	1,930	1,780	1,860	500	400	371	270
MIN	27	105	112	423	129	238	413	142	78	61	24	30
CFSM	.33	.57	2.91	5.57	1.22	2.95	2.77	1.47	.51	.44	.39	.36
IN.	.38	.63	3.36	6.42	1.31	3.40	3.10	1.69	.57	.50	.44	.40

CAL YR 1971 TOTAL 236,384 MEAN 648 MAX 4,830 MIN 27 CFSM 1.97 IN 26.73
WTR YR 1972 TOTAL 196,472 MEAN 537 MAX 3,570 MIN 24 CFSM 1.63 IN 22.22

PEAK DISCHARGE (BASE, 5,000 CFS).--No peak above the base.

03592500 Bear Creek at Bishop, Ala.

LOCATION.--Lat 34°39'21", long 88°07'21", in SE 1/4 sec.5, T.5 S., R.15 W., Colbert County, on left bank 250 ft upstream from highway bridge, 0.5 mile downstream from Cedar Creek, 0.8 mile southwest of Bishop, and at mile 27.3.

DRAINAGE AREA.--667 sq mi.

PERIOD OF RECORD.--August 1926 to June 1928, February 1929 to March 1932, June 1933 to current year.

GAGE.--Water-stage recorder. Datum of gage is 419.91 ft above mean sea level. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929, to Mar. 31, 1932, at site 35 ft downstream, and June 7, 1933, to May 28, 1934 at bridge 20 ft downstream at datum 5.00 ft lower.

AVERAGE DISCHARGE --42 years (1926-27, 1929-31, 1933-72), 1,075 cfs (21.89 inches per year).

EXTREMES.--Current year: Maximum discharge, 10,500 cfs Jan. 5 (gage height, 15.55 ft); minimum daily, 60 cfs Sept. 2.

Period of record: Maximum discharge, 37,000 cfs Mar. 22, 1955; maximum gage height, 22.0 ft (present datum) Dec. 26, 1926, from floodmarks; minimum discharge, 9.3 cfs Sept. 15-17, 1954; minimum gage height, -0.15 ft Sept. 1, 1943.

REMARKS.--Records good. Flow regulated by Bear Creek Reservoir 47.3 miles upstream beginning Mar. 14, 1969.

REVISIONS (WATER YEARS).--WSP 698: 1929, WSP 823: Drainage area. WSP 853: 1927, 1928 (M), 1929, 1930 (M), 1932 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	186	190	1,200	1,150	534	2,770	572	338	458	897	61
2	89	209	166	7,950	1,120	2,470	2,460	586	308	281	923	60
3	81	770	860	8,300	950	3,760	2,070	652	292	306	614	70
4	93	628	1,380	8,060	936	2,570	3,210	586	281	330	434	76
5	147	318	950	10,400	897	2,260	2,320	503	277	375	348	90
6	135	322	1,520	5,580	877	2,000	2,060	458	257	310	268	90
7	134	370	4,740	4,100	889	1,880	1,720	522	192	218	213	76
8	126	372	2,050	3,530	869	3,800	1,630	5,420	173	178	194	76
9	115	408	1,700	3,770	901	3,080	1,720	2,840	164	160	175	72
10	109	388	2,050	6,550	825	2,110	1,280	1,600	158	146	153	85
11	115	355	2,540	6,170	596	1,850	1,080	1,140	273	141	125	93
12	114	306	2,680	4,240	795	1,550	964	959	568	131	125	96
13	106	279	4,080	3,620	964	1,450	941	1,000	275	126	233	90
14	99	229	2,420	3,220	910	1,480	875	964	160	117	224	83
15	106	213	2,420	2,880	825	1,260	869	845	289	102	148	81
16	101	215	2,500	2,650	769	1,650	2,410	923	226	101	134	78
17	98	207	2,960	2,520	881	2,220	1,890	1,390	281	101	138	108
18	118	200	3,200	2,400	897	1,780	1,500	1,240	235	92	133	432
19	106	222	2,470	2,310	813	1,530	1,240	1,170	284	89	125	332
20	98	255	2,590	2,200	674	1,300	1,100	901	322	95	125	237
21	89	277	2,100	2,110	652	1,200	1,010	694	277	96	159	266
22	98	224	1,580	1,970	660	1,820	1,150	565	162	85	186	375
23	141	215	1,260	1,530	745	1,520	1,860	509	136	90	176	813
24	410	171	1,100	1,380	795	1,290	1,730	470	131	197	144	390
25	382	151	981	1,230	785	1,580	1,630	551	178	200	158	255
26	286	171	923	964	749	1,620	1,380	773	192	142	155	292
27	368	200	793	813	705	1,410	1,150	617	173	244	139	279
28	335	171	660	1,060	600	1,700	982	338	247	328	133	948
29	279	166	624	1,260	425	4,900	789	295	566	1,180	123	1,090
30	248	167	699	1,130	------	4,620	614	306	677	392	115	1,320
31	190	------	1,480	1,150	------	3,230	------	382	------	898	77	------
TOTAL	5,011	8,365	55,666	106,247	23,654	65,424	46,376	29,771	8,092	7,709	7,294	8,414
MEAN	162	279	1,796	3,427	816	2,110	1,546	960	270	249	235	280
MAX	410	770	4,740	10,400	1,150	4,900	3,210	5,420	677	1,180	923	1,320
MIN	81	151	166	813	425	534	614	295	131	85	77	60
CFSM	.24	.42	2.69	5.14	1.22	3.16	2.32	1.44	.40	.37	.35	.42
IN.	.28	.47	3.10	5.93	1.32	3.65	2.59	1.66	.45	.43	.41	.47

CAL YR 1971 TOTAL 461,669 MEAN 1,265 MAX 15,000 MIN 81 CFSM 1.90 IN 25.74
WTR YR 1972 TOTAL 372,021 MEAN 1,016 MAX 10,400 MIN 60 CFSM 1.52 IN 20.74

PEAK DISCHARGE (BASE, 7,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-2	2400	15.38	10,100	1-10	2100	13.85	7,690
1-5	0700	15.55	10,500				

07032000 Mississippi River at Memphis, Tenn.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 miles downstream from Beale Street gage, 3.5 miles downstream from Wolf River, 70 miles upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 sq mi, approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1971. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to current year in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission. December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft downstream, and since December 1934 at water-stage recorder at present site, in reports of U.S. Weather Bureau. (See REMARKS).

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 miles upstream at same datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft downstream at same datum.

AVERAGE DISCHARGE.--38 years, 452,500 cfs (327,800,000 acre-ft per year).

EXTREMES.--Period of record: Maximum discharge, 1,980,000 cfs Feb. 8, 1937; maximum gage height, 48.69 ft Feb. 10, 1937; minimum discharge, 79,200 cfs Aug. 26, 1936; minimum gage height, -5.35 ft Jan. 24, 1956.

Maximum stage known prior to 1937, 46.55 ft Apr. 9, 1913, at Beale Street gage or about 45.2 ft at present site.

REMARKS.--Records good. Flow regulated by many locks, dams and reservoirs upstream. Records for water year 1972 are not available in time for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR WATER YEAR 1971 ARE PUBLISHED ON FOLLOWING PAGES

07032000 Mississippi River at Memphis, Tenn,

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 miles downstream from Beale Street gage, 3.5 miles downstream from Wolf River, 70 miles upstream from St. Francis River, and at mile 734.8

DRAINAGE AREA.--932,800 sq mi, approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1971. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to current year in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission. December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft downstream, and since December 1934 at water-stage recorder at present site, in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 miles upstream at same datum. April 16 to Dec. 21, 1934, nonrecording gage 1,000 ft downstream at same datum.

AVERAGE DISCHARGE.--38 years, 452,500 cfs (327,800,000 acre-ft per year).

EXTREMES.--Water year 1971: Maximum discharge, 1,190,000 cfs Mar. 7-9; maximum gage height, 32.78 ft Mar. 8; minimum discharge, 201,000 cfs Sept. 8 (gage height, 0.20 ft).

Period of record: Maximum discharge, 1,980,000 cfs Feb. 8, 1937; maximum gage height, 48.69 ft Feb. 10, 1937; minimum discharge, 79,200 cfs Aug. 26, 1936; minimum gage height, -5.35 ft Jan. 24, 1956.

Maximum stage prior to 1937, 46.55 ft Apr. 9, 1913, at Beale Street gage or about 45.2 ft at present site.

REMARKS.--Records good. Flow regulated by many locks, dams, and reservoirs upstream. Records for water year 1972 are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Records furnished by Corps of Engineers.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.50	7.20	11.80	19.60	10.70	30.60	18.70	10.70	12.20	7.40	5.40	4.80
2	18.00	8.40	10.60	19.50	11.00	31.20	18.50	10.80	11.60	7.40	5.50	3.60
3	18.20	9.80	9.10	19.10	11.30	31.70	18.10	11.00	10.90	7.40	6.20	2.40
4	17.60	10.90	7.80	18.60	10.80	32.00	17.50	11.00	11.00	7.10	6.40	1.50
5	16.00	11.10	6.70	16.90	10.10	32.20	16.90	11.00	11.00	6.40	7.00	1.00
6	13.90	11.10	6.30	15.10	9.10	32.40	16.50	11.20	11.10	5.70	7.30	1.00
7	11.70	11.70	6.20	13.70	8.50	32.70	16.40	11.40	11.30	5.10	7.70	.80
8	9.70	12.60	6.20	13.20	8.70	32.80	16.20	11.30	11.40	4.30	7.90	.20
9	8.30	13.30	6.40	13.30	9.80	32.70	16.10	11.30	11.00	3.70	8.30	.60
10	6.80	13.40	6.80	14.40	11.80	32.70	16.00	11.80	10.70	3.30	8.60	.80
11	5.60	13.40	7.00	15.40	15.00	32.40	15.80	12.30	10.80	2.70	9.10	1.80
12	5.30	13.50	7.00	15.90	17.60	31.90	15.30	12.90	11.10	2.40	9.60	1.90
13	5.20	13.50	6.90	16.40	19.40	31.30	14.70	14.90	11.20	2.90	9.30	1.50
14	5.40	13.80	6.90	16.60	20.40	30.40	14.20	16.90	10.40	4.00	8.60	1.20
15	6.70	13.90	6.80	16.80	21.00	29.40	13.80	18.60	9.60	5.20	7.10	1.20
16	10.20	13.90	6.80	17.10	21.30	28.30	13.50	20.20	9.20	6.30	5.40	1.20
17	12.90	13.40	7.20	17.00	21.00	27.20	13.30	21.70	9.60	7.20	4.40	1.50
18	14.00	12.70	8.50	16.40	20.60	26.30	13.10	22.50	10.50	8.40	3.80	2.00
19	13.80	12.20	10.00	15.50	20.30	25.70	12.70	23.00	11.60	9.10	3.20	3.20
20	13.00	12.10	10.90	14.80	20.10	25.20	12.10	23.20	12.50	9.00	2.40	5.10
21	11.60	11.90	11.40	14.30	20.00	24.80	11.50	23.00	13.10	8.50	1.70	6.40
22	10.70	12.10	11.80	14.30	21.00	24.60	10.90	22.60	13.10	8.30	1.00	7.00
23	9.20	12.40	12.90	14.10	21.40	24.20	10.80	21.80	12.80	8.40	.90	6.90
24	8.30	12.50	14.10	13.80	23.00	23.40	10.10	20.50	12.20	8.40	1.40	6.40
25	8.00	12.60	15.50	13.40	25.40	22.50	9.40	19.20	11.10	8.70	2.40	5.90
26	7.70	13.20	16.80	12.60	27.30	21.70	9.00	17.70	9.60	9.10	3.80	5.40
27	7.20	13.80	17.80	12.00	28.70	20.60	9.00	16.70	8.80	9.40	4.20	4.70
28	7.10	13.90	18.70	11.70	29.70	19.70	9.40	15.90	8.30	8.00	3.80	3.70
29	7.20	13.50	19.20	11.50		19.40	10.00	14.90	8.00	6.60	3.40	2.60
30	7.20	12.80	19.30	11.10	------	19.20	10.50	13.80	7.60	5.90	4.00	2.00
31	7.00	------	19.40	10.70	------	19.00	------	12.90	------	5.60	4.80	------

07032000 Mississippi River at Memphis, Tenn.--Continued

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	589	316	407	666	393	1,100	618	379	431	314	289	277
2	602	343	378	663	407	1,120	610	382	412	315	293	255
3	595	372	346	649	403	1,140	597	386	397	315	305	238
4	566	390	317	628	391	1,150	581	386	401	309	314	223
5	512	392	299	569	374	1,160	565	386	402	297	320	216
6	450	395	295	520	352	1,180	559	394	404	286	327	214
7	394	410	296	482	343	1,190	559	398	410	276	333	209
8	345	433	299	467	350	1,190	557	398	411	266	338	201
9	319	446	305	475	378	1,190	559	403	405	256	345	206
10	282	447	313	478	435	1,180	552	418	398	250	353	210
11	272	447	318	530	552	1,160	540	431	405	243	363	221
12	270	448	317	543	598	1,130	521	456	411	242	371	220
13	272	449	317	557	658	1,100	501	513	410	249	364	213
14	281	453	315	562	692	1,060	487	565	390	265	345	209
15	317	459	315	568	714	1,020	474	630	371	289	312	219
16	602	456	314	574	719	967	465	686	367	307	283	211
17	446	443	327	568	716	920	456	746	378	326	268	216
18	467	426	355	547	702	922	447	761	399	348	257	227
19	458	416	389	518	695	863	434	780	425	359	249	249
20	437	414	407	499	694	837	418	787	444	355	239	279
21	402	411	417	488	702	821	399	783	458	347	230	304
22	379	416	430	488	730	807	385	765	452	346	218	313
23	349	423	460	480	756	782	380	732	442	346	220	312
24	331	427	495	470	824	755	365	688	424	347	230	310
25	328	431	528	456	920	724	351	642	390	353	247	296
26	319	446	565	437	984	696	344	594	358	365	266	289
27	311	460	594	423	1,040	663	346	567	342	363	269	277
28	310	460	624	416	1,070	638	353	546	332	338	261	270
29	313	449	637	410		632	366	508	324	309	257	245
30	312	432	641	400	------	627	374	479	315	298	268	239
31	307	------	645	391	------	623	------	451	------	294	279	------
TOTAL	12,137	12,710	12,665	15,922	17,592	29,347	14,163	17,040	11,908	9,573	9,013	7,368
MEAN	392	424	409	514	628	947	472	550	397	309	291	246
MAX	602	460	645	666	1,070	1,190	618	787	458	365	371	313
MIN	270	316	295	391	343	623	344	379	315	242	218	201
AC-FT	24,070	25,210	25,120	31,580	34,890	58,210	28,090	33,800	23,620	18,990	17,880	14,610

CAL YR 1970 TOTAL 179,140 MEAN 491 MAX 1,140 MIN 184.0 AC-FT 355,300
WTR YR 1971 TOTAL 169,438 MEAN 464 MAX 1,190 MIN 201.0 AC-FT 336,100

07266000 Cane Creek near New Albany, Miss.

LOCATION.--Lat 34°34'20", long 88°57'20", in SE¼SW¼ sec.11, T.6 S., R.3 E., Chickasaw meridian, Union County, near right bank on downstream side of bridge on county highway, 450 ft upstream from Ellis Creek, 5.1 miles upstream from mouth, and 6.2 miles northeast of New Albany.

DRAINAGE AREA.--22.2 sq mi.

PERIOD OF RECORD.--February 1939 to July 1941, February 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 356.74 ft above mean sea level. Prior to Mar. 31, 1939, nonrecording gage; Mar. 31, 1939, to July 18, 1941, water-stage recorder and nonrecording gage; Feb. 1 to June 14, 1950, nonrecording gage; June 15, 1950, to Oct. 7, 1955, water-stage recorder; and Oct. 8 to Dec. 9, 1955, nonrecording gage, all at present site. Dec. 10, 1955, to Sept. 30, 1962, water-stage recorder at site 600 ft downstream. Prior to Oct. 1, 1955, all gages at datum 10.00 ft higher.

AVERAGE DISCHARGE.--23 years (1939-40, 1950-72), 36.3 cfs (22.21 inches per year).

EXTREMES.--Current year: Maximum discharge observed, 1,210 cfs Jan. 1 (gage height, 8.30 ft); minimum daily, 2.0 cfs, Sept. 13.
Period of record: Maximum discharge, 8,680 cfs Mar. 21, 1955 (gage height, 19.08 ft, present datum), from rating curve extended above 4,200 cfs; no flow Sept. 5-7, 1954.

REMARKS.--Records fair.

REVISIONS.--WSP 1177: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	3.1	4.0	191	25	17	25	12	14	6.0	9.5	2.2
2	4.7	6.4	4.0	200	23	136	23	13	12	7.0	8.7	2.2
3	4.2	9.3	26	84	22	45	34	13	11	244	8.1	2.5
4	3.8	3.5	13	269	19	35	49	10	9.4	45	11	5.3
5	6.9	3.0	11	101	19	33	35	9.0	8.8	26	6.3	4.0
6	6.5	3.0	17	56	28	27	29	8.4	7.9	17	5.5	2.8
7	4.8	3.8	19	40	26	25	28	13	7.2	12	5.2	2.5
8	4.4	3.3	13	33	21	85	28	288	6.4	11	4.8	2.8
9	4.1	3.5	65	43	19	68	23	52	5.9	9.6	4.2	2.8
10	3.8	3.3	40	75	19	38	22	33	5.8	8.7	3.8	2.2
11	3.5	3.0	22	47	17	32	21	26	6.0	8.1	2.8	2.2
12	3.3	3.0	79	23	20	31	20	29	5.7	7.8	5.5	2.2
13	3.1	3.3	39	25	20	29	20	30	5.7	7.5	19	2.0
14	3.2	3.3	26	24	18	32	18	22	6.0	8.1	5.0	2.2
15	2.9	3.0	56	24	16	30	17	19	6.3	8.1	3.8	5.2
16	2.8	3.7	27	25	16	56	43	16	7.0	7.5	3.5	2.2
17	3.8	3.0	21	25	16	30	26	34	5.6	7.5	3.3	72
18	3.3	3.3	17	25	14	27	23	17	5.5	7.2	3.0	22
19	2.9	7.5	14	24	13	27	19	14	5.1	7.2	3.0	6.4
20	2.7	5.5	14	24	13	25	16	12	4.7	9.9	3.0	5.2
21	2.8	4.0	11	74	13	23	16	11	4.1	8.4	2.8	4.5
22	2.9	3.4	9.3	42	14	22	19	10	3.8	7.4	2.8	8.1
23	3.4	3.8	8.4	32	14	21	18	9.5	3.6	6.4	3.0	4.8
24	3.1	4.0	7.5	28	14	18	15	23	3.5	5.8	3.8	4.3
25	3.5	3.8	6.6	25	13	41	13	13	6.1	5.0	3.0	4.0
26	3.4	3.8	6.3	24	15	20	12	10	11	4.8	3.8	3.9
27	2.9	3.8	5.4	23	13	26	12	9.3	5.4	4.2	3.0	9.3
28	2.9	4.0	6.9	72	12	63	11	8.3	34	4.0	2.5	6.0
29	3.1	7.8	6.0	60	11	101	20	8.6	17	119	2.5	11
30	3.0	5.3	13	31	------	37	19	100	7.6	26	2.5	15
31	3.2	------	11	27	------	30	------	20	------	13	2.2	------
TOTAL	114.1	125.0	617.0	1,826	503	1,210	710	892.8	244.1	666.2	151.0	221.8
MEAN	3.68	4.17	19.9	58.9	17.3	39.0	23.7	28.8	8.14	21.5	4.87	7.39
MAX	6.9	9.3	79	269	28	136	49	288	34	244	19	72
MIN	2.7	3.0	4.0	23	11	17	11	8.3	3.5	4.0	2.2	2.0
CFSM	.17	.19	.90	2.65	.78	1.76	1.07	1.30	.37	.96	.22	.33
IN.	.19	.21	1.04	3.06	.84	2.03	1.19	1.50	.42	1.11	.25	.37

CAL YR 1971 TOTAL [illegible] MEAN 27.5 MAX 825 MIN 1.0 CFSM 1.24 IN 16.84
WTR YR 1972 TOTAL 7,287.0 MEAN 19.9 MAX 288 MIN 2.0 CFSM .90 IN 12.21

PEAK DISCHARGE (BASE, 1,600 CFS).--No peak above base.

07268000 Little Tallahatchie River at Etta, Miss.
(Formerly published as Tallahatchie River at Etta, Miss.)

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw meridian, Union County, on downstream side of left main pier of bridge on State Highway 30, 0.8 mile northeast of Etta, 3.8 miles upstream from Puskus Creek, 4 miles downstream from Locks Creek, 13 miles west of New Albany, and 55.0 miles upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 sq mi.

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft above mean sea level (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder, and Aug. 26, 1952, to June 22, 1953, nonrecording gage, all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft higher.

AVERAGE DISCHARGE.--34 years, 792 cfs (20.45 inches per year).

EXTREMES.--Current year: Maximum discharge, 18,600 cfs Jan. 2 (gage height, 23.83 ft); minimum, 22 cfs Sept. 14-15; minimum gage height, 6.69 ft Sept. 14-15.
Period of record: Maximum discharge, 79,000 cfs Mar. 22, 1955 (gage height, 29.32 ft); minimum, 4.1 cfs Oct. 3, 16, 1938.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	34	49	1,870	342	370	256	129	130	60	74	24
2	57	34	48	14,600	310	4,330	273	123	103	54	138	24
3	53	50	376	4,421	296	2,700	222	194	90	2,950	66	24
4	94	46	188	13,000	255	401	2,020	132	80	3,440	54	31
5	902	38	103	8,390	224	637	459	108	73	732	50	47
6	175	39	412	2,040	373	468	362	101	69	262	47	34
7	84	41	858	950	652	412	304	123	65	150	42	28
8	65	42	287	705	338	4,510	396	7,320	60	118	38	27
9	56	41	284	1,790	266	1,210	266	2,420	59	101	36	29
10	49	41	585	5,400	258	637	213	642	57	88	52	28
11	45	41	320	1,810	236	480	208	366	58	80	39	25
12	42	42	2,080	747	251	415	192	587	56	74	35	24
13	41	41	2,240	576	344	366	143	976	56	63	919	23
14	40	41	808	444	270	453	171	340	60	60	87	23
15	40	40	1,070	369	246	364	160	232	61	72	51	22
16	37	40	663	298	217	771	1,440	185	61	63	42	23
17	37	40	621	380	266	680	436	316	60	90	99	449
18	38	42	446	380	255	410	238	208	54	71	36	2,730
19	37	57	288	316	215	366	194	142	49	97	36	437
20	37	57	242	300	196	288	182	121	47	58	32	98
21	37	46	255	401	187	286	168	111	66	54	31	62
22	37	43	203	[illegible]	188	284	146	[illegible]	61	50	[illegible]	107
23	37	43	178	362	210	237	145	[illegible]	70	46	[illegible]	63
24	40	46	170	276	204	222	164	152	[illegible]	46	[illegible]	67
25	40	47	157	258	204	[illegible]	[illegible]	[illegible]	103	48	[illegible]	61
26	37	49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	36	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	36	45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	36	43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	36	41	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	36	------	[illegible]	[illegible]	------	[illegible]	------	[illegible]	------	[illegible]	[illegible]	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	902	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	36	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CFSM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1971 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]
WTR YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]

PEAK DISCHARGE (BASE, [illegible] CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

07271000 Clear Creek near Oxford, Miss.

LOCATION.--Lat 34°21'20", long 89°39'30", in NW¼SE¼ sec.30, T.8 S., R.4 W., Chickasaw meridian, Lafayette County, near right bank on downstream side of pier of bridge on State Highway 6, 1.0 mile upstream from Hudson Creek, and 8.3 miles west of Oxford.

DRAINAGE AREA.--10.3 sq mi.

PERIOD OF RECORD.--January 1939 to July 1941, February 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 273.47 ft above mean sea level. Prior to Mar. 6, 1939, nonrecording gage. Prior to Oct. 1, 1962, at datum 2.00 ft higher.

AVERAGE DISCHARGE.--23 years (1939-40, 1950-72), 14.3 cfs (18.85 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,440 cfs June 25 (gage height, 9.81 ft); minimum daily, 6.0 cfs Oct. 28.
Period of record: Maximum discharge, 6,500 cfs Apr. 29, 1963 (gage height, 14.34 ft), from rating curve extended above 2,700 cfs on basis of slope-area measurements of peak flow; minimum, 3.0 cfs July 19-22, 1939.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1441: Drainage area. WSP 1561: 1957. WSP 1920: 1939-40, 1950-57, 1958(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	6.8	10	204	12	9.4	9.2	15	8.3	7.6	7.4	7.2
2	6.8	7.0	11	80	11	28	9.2	14	8.3	7.4	7.4	7.3
3	7.0	7.5	15	44	11	20	11	13	8.3	9.8	7.4	19
4	24	7.7	9.7	73	10	16	11	13	8.3	8.1	7.4	22
5	10	7.9	9.0	18	10	14	9.5	12	8.3	7.6	7.4	10
6	9.0	8.1	12	14	9.6	12	9.5	12	8.3	7.3	7.4	7.0
7	8.7	8.3	9.2	13	9.4	15	10	32	8.3	7.0	7.4	7.0
8	8.3	8.3	9.0	12	9.2	21	9.8	106	8.3	6.9	7.4	6.7
9	8.1	8.3	21	25	9.0	15	9.5	14	8.5	6.9	7.4	6.8
10	7.7	8.3	11	20	9.1	12	9.2	13	8.5	6.8	8.4	6.8
11	7.5	8.5	8.5	16	9.0	11	9.2	14	8.5	6.8	7.6	6.8
12	7.3	8.5	68	14	9.3	10	9.2	14	8.5	6.7	7.8	6.7
13	7.2	8.5	9.7	13	9.1	9.6	9.0	15	8.5	6.7	8.0	6.8
14	7.0	8.7	8.4	12	9.0	9.3	8.8	15	8.5	6.8	7.6	6.8
15	7.0	8.7	16	12	9.0	9.1	9.1	15	24	8.6	7.6	6.8
16	6.8	8.7	8.3	12	9.0	21	10	15	14	8.0	7.6	6.9
17	6.6	8.7	7.4	11	9.1	9.5	9.0	14	11	7.6	7.6	7.1
18	6.6	9.0	7.2	11	9.0	9.2	9.0	10	9.7	7.4	7.8	7.6
19	6.5	11	7.2	11	9.0	8.9	8.9	10	9.0	7.3	7.6	7.6
20	6.5	11	7.3	11	9.0	9.1	8.9	9.8	8.6	7.3	7.6	7.2
21	6.3	10	7.2	26	9.0	9.2	9.0	9.8	8.2	7.3	8.6	7.2
22	6.3	10	7.2	17	9.1	9.1	8.9	9.5	8.0	7.3	8.0	7.2
23	60	10	7.4	14	9.2	9.0	8.8	9.5	7.8	7.4	8.0	7.2
24	34	10	7.5	12	9.2	9.2	8.8	13	7.8	7.6	15	8.3
25	7.2	10	7.6	11	9.1	13	8.9	8.0	220	8.6	12	7.8
26	6.6	10	7.7	10	9.1	9.2	8.9	7.8	23	7.7	11	7.6
27	6.2	10	7.7	9.8	9.1	9.2	8.8	8.0	11	7.5	11	7.2
28	6.0	11	8.1	19	9.0	10	8.8	8.0	16	7.7	10	7.0
29	6.2	11	8.1	16	9.0	9.8	26	8.0	9.2	9.0	9.7	7.0
30	6.5	10	8.8	15	------	9.5	17	10	8.0	7.5	8.7	9.0
31	6.6	------	8.5	13	------	9.2	------	8.3	------	7.5	7.2	------
TOTAL	317.3	271.5	350.7	788.8	272.6	375.5	302.9	475.7	512.7	233.7	261.0	245.6
MEAN	10.2	9.05	11.3	25.4	9.40	12.1	10.1	15.3	17.1	7.54	8.42	8.19
MAX	60	11	68	204	12	28	26	106	220	9.8	15	22
MIN	6.0	6.8	7.2	9.8	9.0	8.9	8.8	7.8	7.8	6.7	7.2	6.7
CFSM	.99	.88	1.10	2.47	.91	1.17	.98	1.49	1.66	.73	.82	.80
IN.	1.15	.98	1.27	2.85	.98	1.36	1.09	1.72	1.85	.84	.94	.89

CAL YR 1971 TOTAL 4,343.1 MEAN 11.9 MAX 571 MIN 6.0 CFSM 1.16 IN 15.69
WTR YR 1972 TOTAL 4,408.0 MEAN 12.0 MAX 220 MIN 6.0 CFSM 1.17 IN 15.92

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
06-25	1230	9.81	2,440				

07272000 Sardis Lake near Sardis, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of dam of Tallahatchie River, 7.5 miles southeast of Sardis, and 25.7 miles upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--September 1939 to current year. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 662,100 acre-ft July 11-16, 20 (elevation, 261.49 ft); minimum, 113,300 acre-ft Dec. 2 (elevation, 236.48 ft).

Period of record: Maximum contents, 1,394,100 acre-ft May 14, 1970 (elevation, 278.32 ft); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft Oct. 3, 1941 (elevation, 228.93 ft).

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft at elevation 281.4 ft (crest of spillway), of which about 1,478,000 acre-ft is available for flood-control storage and about 108,000 acre-ft of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (16.6 ft above sill of outlet tunnel). Water below elevation 219.4 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevations and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

236	108.0	255	462.2
240	157.1	260	612.5
245	235.8	265	787.2
250	336.2		

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	412,300	236,900	114,700	162,000	375,000	384,500	482,000	512,800	598,300	619,400	608,000	453,200
2	413,800	231,100	113,500	167,200	376,700	384,500	483,100	513,600	599,900	617,400	605,700	447,800
3	414,600	226,000	113,900	189,500	377,700	385,300	483,700	514,500	600,600	614,800	602,800	442,900
4	414,900	220,300	113,500	217,200	378,400	386,800	485,100	515,100	600,900	619,700	598,600	438,300
5	413,100	214,600	114,100	244,200	378,900	402,300	486,800	515,700	601,500	635,500	596,100	435,900
6	408,600	208,400	115,600	280,100	379,100	407,400	488,800	516,300	601,800	650,600	590,000	432,700
7	402,800	203,900	116,400	287,800	380,600	409,200	490,200	517,700	601,800	657,000	584,600	428,500
8	396,000	199,500	118,000	302,700	381,300	414,100	494,200	520,100	601,800	659,400	579,100	424,000
9	390,000	193,800	119,700	309,900	382,300	417,500	497,700	524,000	601,500	660,400	573,800	420,100
10	382,300	188,800	122,500	317,500	383,300	424,300	500,600	552,300	601,200	661,400	568,800	416,500
11	374,800	183,300	124,800	323,800	383,800	431,900	502,300	567,500	601,200	661,800	563,800	411,500
12	365,800	179,400	127,200	334,000	384,000	436,200	504,100	574,100	601,200	662,100	558,800	406,900
13	358,300	175,100	130,800	343,600	384,000	437,500	504,900	577,200	600,900	662,100	554,200	402,300
14	351,000	170,600	134,100	350,600	384,500	440,500	506,100	579,800	600,200	662,100	548,600	397,800
15	343,600	165,800	139,100	353,100	384,800	442,400	507,500	582,600	599,600	662,100	542,500	393,300
16	336,200	162,000	146,100	354,100	385,000	444,800	509,000	585,200	602,800	662,100	536,500	389,500
17	329,100	157,900	149,600	354,800	385,000	449,700	510,400	588,100	603,500	661,800	530,500	385,500
18	322,300	153,700	151,700	354,800	385,300	454,000	512,200	590,600	604,400	661,800	523,800	391,100
19	315,700	150,500	153,000	354,800	385,300	457,800	515,100	592,200	605,700	661,800	520,700	380,600
20	309,100	147,000	156,400	355,000	385,300	460,600	516,300	593,500	606,000	662,100	514,300	300,900
21	302,700	143,200	157,700	355,500	385,000	462,200	516,000	594,100	606,000	660,800	509,600	380,100
22	296,000	140,100	158,800	356,400	385,000	463,600	514,200	594,800	606,000	657,700	504,300	377,400
23	289,400	136,800	159,600	357,400	385,000	465,900	512,800	595,100	605,400	649,600	499,400	377,200
24	284,000	133,100	159,600	358,500	385,000	466,700	511,600	595,400	605,100	638,800	494,500	376,900
25	278,200	129,800	159,700	359,700	384,800	467,800	511,600	596,100	604,700	629,600	489,100	376,500
26	272,600	126,300	160,200	360,200	384,500	469,200	511,000	596,700	610,900	623,300	484,000	377,200
27	266,600	123,300	160,400	361,900	384,500	471,700	510,700	597,000	615,800	618,400	479,500	378,200
28	260,200	120,700	160,700	362,400	384,500	474,200	510,700	596,400	618,700	613,500	474,200	379,400
29	254,500	117,200	161,100	364,300	384,500	476,400	511,000	595,800	620,400	611,800	469,200	381,600
30	248,200	115,500	161,300	367,500	------	478,700	511,900	594,800	620,100	610,200	463,600	386,300
31	242,300	------	161,600	371,600	------	480,300	------	596,400	------	608,900	458,400	------
MAX	414,900	236,900	161,600	371,600	385,300	480,300	516,300	597,000	620,400	662,100	608,000	453,200
MIN	242,300	115,500	113,500	162,000	375,000	384,500	482,000	512,800	598,300	608,900	458,400	300,900
(†)	245.14	236.64	240.34	251.56	252.03	255.70	256.76	259.54	260.22	259.87	254.75	252.18
(‡)	-173,200	-123,200	+46,700	+211,300	+11,400	+97,200	+30,500	+85,500	+22,000	-11,400	-152,900	-67,100

CAL YR 1971............ ‡ -20,500
WTR YR 1972............ ‡ -23,200

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet.

07272500 Little Tallahatchie River at Sardis Dam, near Sardis, Miss.
(Formerly published as Tallahatchie River at Sardis Dam, near Sardis, Miss.)

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of Sardis Dam, 7.5 miles southeast of Sardis, and 25.7 miles upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--January 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft downstream at datum 194.43 ft above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft above mean sea level.

AVERAGE DISCHARGE.--32 years, 2,176 cfs (19.13 inches per year) unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 5,360 cfs July 22; minimum discharge, 15 cfs at times.
Period of record: Maximum discharge, 5,780 cfs June 24, 1946; no flow at times each year prior to 1959.

REMARKS.--Flow completely regulated by Sardis Lake (see sta 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1147: 1946(M). WSP 1711: 1942(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	3160	1180	594	1040	1050	548	297	308	2040	2330	2700
2	15	3130	864	15	1040	1050	548	297	308	2030	2320	2690
3	580	3080	668	15	1040	1050	548	297	308	2030	2320	2680
4	3300	3050	668	15	1050	1060	549	298	308	2040	2540	2650
5	4080	3000	669	15	1050	1070	550	788	309	1070	2960	2470
6	4070	2960	671	15	1050	1070	550	1940	309	315	2940	2460
7	4040	2930	672	15	1050	1070	550	1940	309	316	2930	2450
8	4010	2890	674	15	1050	1080	551	1340	309	316	2920	2450
9	3980	2840	660	15	1050	706	552	300	309	316	2910	2440
10	3950	2800	681	15	1050	539	552	303	308	316	2900	2430
11	3910	2770	685	15	1050	540	552	304	308	316	2890	2420
12	3880	2720	689	15	1050	540	381	305	308	316	2870	2420
13	4020	2690	694	595	1050	540	296	306	308	316	3820	2410
14	4070	2650	699	1020	1050	541	296	306	308	316	4260	2400
15	3920	2610	707	1020	1050	542	296	306	308	316	3680	2390
16	3740	2570	716	1020	1050	542	296	307	309	316	2860	2380
17	3700	2530	721	1020	1050	542	297	307	309	316	2850	2370
18	3670	2490	723	1020	1050	544	297	307	309	316	2840	2370
19	3630	2460	725	1020	1050	544	1350	308	309	316	2830	2370
20	3600	2430	730	1020	1050	544	2600	308	309	1570	2820	2370
21	3560	2390	731	1020	1050	545	2600	308	309	3360	2810	2370
22	3530	2360	732	1030	1050	546	2600	308	309	5360	2800	1640
23	3490	2320	733	1030	1050	546	1080	308	309	5330	2790	15
24	3460	2290	733	1030	1050	546	297	308	309	5280	2780	15
25	3430	2260	733	1030	1050	546	297	308	159	3320	2770	15
26	3390	2220	733	1030	1050	546	297	649	168	2340	2760	15
27	3350	2180	734	1030	1050	546	297	985	310	2340	2750	15
28	3310	2150	735	1030	1050	547	297	985	982	2330	2740	15
29	3280	1720	735	1030	1050	548	297	985	2040	2330	2730	15
30	3240	1180	735	1040	------	548	297	546	2040	2330	2720	15
31	3200	------	735	1040	------	548	------	308	------	2330	2710	------
TOTAL	103,420	76,830	22,565	19,834	30,420	21,176	20,518	16,862	13,105	51,853	89,150	53,450
MEAN	3,336	2,561	728	640	1,049	683	684	544	437	1,673	2,876	1,782
MAX	4,080	3,160	1,180	1,040	1,050	1,080	2,600	1,940	2,040	5,360	4,260	2,700
MIN	15	1,180	660	15	1,040	539	296	297	159	315	2,320	15
(†)	-2,817	-2,070	+760	+3,436	+198	+1,580	+513	+1,391	+370	-185	-2,487	-1,128

CAL YR 1971 TOTAL 662,089 MEAN 1,814 MAX 4,080 MIN 15 (†) -28.3
WTR YR 1972 TOTAL 519,183 MEAN 1,418 MAX 5,360 MIN 15 (†) -32.0

† Change in contents, equivalent in cubic feet per second, in Sardis Lake (see sta 07272000).

07274000 Yocona River near Oxford, Miss.

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw meridian, Lafayette County, near left bank on downstream side of pier of bridge on State Highway 7, 1.5 miles downstream from Burney Branch, 6 miles south of Oxford, and at mile 42.3

DRAINAGE AREA.--262 sq mi.

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and supplemental nonrecording gage read once daily. Datum of gage is 272.20 ft above mean sea level. Prior to Jan. 1, 1972, at datum 5.0 ft higher.

AVERAGE DISCHARGE.--26 years (1946-72), 357 cfs (18.50 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,150 cfs Jan. 4 (gage height, 18.62 ft); minimum daily, 11 cfs Sept. 15-16.
Period of record: Maximum discharge, 44,100 cfs Mar. 21, 1955 (gage height, 28.72 ft), from rating curve extended above 22,000 cfs; minimum, 4.4 cfs Sept. 14, 1954.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	19	43	490	166	76	170	103	46	63	23	14
2	30	20	46	2,340	142	1,220	139	87	35	55	20	15
3	28	18	107	1,090	125	1,050	138	116	31	398	17	15
4	34	17	100	3,610	110	1,030	494	111	28	304	17	20
5	188	26	87	2,750	97	588	244	76	27	178	16	27
6	174	21	119	1,710	117	290	169	61	24	110	16	17
7	92	20	217	972	225	228	279	220	23	61	18	14
8	52	22	196	658	193	842	264	2,710	23	49	17	14
9	40	21	138	991	138	625	189	1,570	23	40	18	16
10	35	21	134	1,490	115	596	144	1,170	22	35	47	13
11	33	22	108	771	102	336	125	570	21	30	19	12
12	33	24	587	512	108	214	117	231	22	26	20	12
13	31	23	516	354	114	179	106	258	19	25	31	12
14	30	25	396	263	112	163	99	268	19	24	20	12
15	29	26	582	188	101	188	113	168	492	24	18	11
16	26	25	342	151	89	372	638	138	169	23	16	11
17	27	25	260	142	97	274	396	171	78	21	15	16
18	26	25	235	140	111	185	206	138	50	22	15	91
19	26	35	213	143	101	152	135	98	41	21	15	174
20	25	33	152	137	94	129	111	77	32	23	15	70
21	25	28	129	180	91	117	96	65	27	18	15	34
22	25	28	109	169	92	107	101	60	24	15	20	22
23	134	29	95	142	95	111	105	56	22	16	27	19
24	277	33	87	125	92	211	88	50	22	16	108	15
25	34	32	80	108	92	392	72	63	1,640	31	35	15
26	24	32	74	97	90	518	67	46	1,400	20	18	56
27	22	33	71	95	84	248	61	43	780	19	16	240
28	21	37	71	104	77	514	90	38	433	26	15	136
29	19	43	80	242	71	380	312	39	156	59	15	84
30	18	40	64	322	------	394	140	130	89	57	14	130
31	18	------	92	224	------	227	------	70	------	32	14	------
TOTAL	1,611	803	5,550	20,614	3,241	11,955	5,368	9,001	5,818	1,841	690	1,337
MEAN	52.0	26.8	179	665	112	386	179	290	194	59.4	22.3	44.6
MAX	277	43	587	3,610	225	1,220	638	2,710	1,640	398	108	240
MIN	18	17	43	95	71	76	61	38	19	15	14	11
CFSM	.20	.10	.68	2.54	.43	1.47	.68	1.11	.74	.23	.09	.17
IN.	.23	.11	.79	2.93	.46	1.70	.76	1.28	.83	.26	.10	.19

CAL YR 1971 TOTAL 111,178 MEAN 305 MAX 6,580 MIN 14 CFSM 1.16 IN 15.79
WTR YR 1972 TOTAL 67,819 MEAN 185 MAX 3,610 MIN 11 CFSM .71 IN 9.63

PEAK DISCHARGE (BASE, 8,000 CFS).--No peak above base.

07274500 Enid Lake near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse of dam on Yocona River, 0.8 mile upstream from U.S. Highway 51, 2.8 miles upstream from Illinois Central Railroad bridge, 3.2 miles northeast of Enid, and 13.5 miles upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 sq mi.

PERIOD OF RECORD.--July 1951 to current year. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 247,700 acre-ft July 5 (elevation, 248.57 ft); minimum, 58,900 acre-ft Dec. 2-4 (elevation, 230.23 ft).

Period of record: Maximum contents, 642,000 acre-ft May 13, 1970 (elevation, 267.35 ft); minimum since initial filling of reservoir to conservation level, 480 acre-ft Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft Oct. 3-7, 1952.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft at elevation 268.0 ft (crest of spillway) of which about 602,400 acre-ft is available for flood control and about 57,600 acre-ft of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (25 ft above sill of outlet tunnel). Water below elevation 205.0 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and
contents, in thousands of acre-feet)

230	57.6	245	197.3
235	93.4	250	270.0
240	139.4		

CONTENTS, IN ACHE-FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104,000	62,000	59,300	75,600	148,900	142,600	180,400	194,900	234,800	245,200	229,000	178,500
2	97,500	62,000	59,200	82,900	148,300	144,000	180,400	195,800	234,500	244,900	226,900	176,500
3	91,900	61,900	59,000	99,200	147,400	149,700	180,400	196,300	234,300	245,200	224,600	174,700
4	86,900	61,900	59,000	109,600	147,000	151,900	182,500	196,700	234,200	246,600	222,700	173,300
5	84,000	61,900	59,200	124,500	146,600	154,000	184,100	196,900	233,900	247,500	221,000	172,300
6	82,700	61,900	59,200	131,400	146,000	155,300	184,700	197,200	233,600	247,600	219,000	170,600
7	81,100	62,000	59,300	135,400	146,000	155,600	185,000	198,600	233,400	247,600	216,800	168,800
8	80,400	62,000	59,600	137,900	146,000	158,900	185,600	210,900	233,200	247,300	215,000	167,100
9	79,400	61,700	60,000	138,900	145,700	162,200	185,600	221,000	233,000	247,200	212,900	166,200
10	78,300	61,600	60,600	144,100	145,400	163,300	185,600	225,100	232,900	246,900	211,800	165,200
11	77,300	61,600	61,000	148,800	144,700	163,9[illegible]	185,400	227,200	232,400	246,900	210,200	163,500
12	76,300	61,600	61,600	152,600	144,500	164,4[illegible]	185,400	228,700	232,000	246,600	209,100	161,800
13	75,300	61,600	63,300	153,300	144,500	164,5[illegible]	[illegible],600	229,200	231,700	246,100	209,700	160,400
14	74,300	61,600	65,400	154,000	144,500	165,600	186,400	230,300	231,600	245,800	209,200	158,900
15	73,300	61,600	67,000	153,600	144,200	165,600	187,100	230,800	232,300	245,300	209,100	157,500
16	72,400	61,600	68,900	152,700	144,400	170,700	188,800	231,100	236,200	245,000	208,600	156,000
17	71,400	61,700	70,400	152,200	144,300	172,900	191,500	232,600	236,400	244,900	207,000	154,500
18	70,500	61,700	71,900	151,500	144,000	173,600	192,400	233,200	236,400	244,700	205,100	154,000
19	69,500	61,900	72,700	151,100	143,800	173,900	192,900	233,400	236,100	244,400	203,200	153,400
20	68,500	61,900	73,400	150,600	143,800	174,300	191,200	233,400	235,600	244,400	201,100	152,600
21	67,400	61,900	74,000	150,200	143,700	174,700	189,100	233,400	235,500	243,100	199,100	151,300
22	66,400	61,800	74,500	149,900	143,700	174,300	187,400	233,400	235,200	241,400	196,900	149,800
23	65,800	61,700	74,700	149,600	143,700	174,300	187,400	233,400	234,600	239,900	195,000	148,300
24	65,800	61,400	74,900	149,300	143,400	174,500	187,400	233,300	234,300	238,400	193,200	145,400
25	65,200	60,700	75,000	148,600	143,600	174,500	187,100	233,700	234,000	237,500	192,200	142,700
26	64,200	60,700	75,100	148,500	143,500	175,400	187,100	233,700	239,500	236,100	189,900	139,900
27	63,300	60,300	75,200	148,800	143,400	176,000	186,900	233,700	241,700	234,600	188,400	138,400
28	62,400	60,000	75,300	148,800	143,300	176,900	186,900	233,600	244,300	232,000	186,500	136,500
29	62,100	59,600	75,400	148,800	142,900	178,800	192,200	233,300	245,300	232,000	184,200	133,800
30	62,100	59,500	75,500	149,300	-------	180,300	194,200	234,600	245,200	232,100	182,100	132,300
31	62,000	-------	75,600	149,000	-------	180,400	-------	234,900	-------	231,000	180,400	-------
MAX	104,000	62,000	75,600	154,000	148,900	180,400	194,200	234,900	245,300	247,600	229,000	178,500
MIN	62,000	59,500	59,000	75,600	142,900	142,600	180,400	194,900	231,600	231,000	180,400	132,300
(†)	230.71	230.29	232.70	240.91	240.32	243.66	244.80	247.71	248.41	247.35	243.56	239.23
(‡)	-43,900	-2,600	+16,200	+73,300	-6,200	+37,700	+14,300	+40,100	+10,400	-15,700	-50,300	-47,500

CAL YR 1971........... ‡ -5,900
WTR YR 1972........... ‡ +25,800

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet.

07275000 Yocona River at Enid Dam, near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse at Enid Dam, 0.8 mile upstream from U.S. Highway 51, 2.8 miles upstream from Illinois Central Railroad bridge, 3.2 miles northeast of Enid, and 13.5 miles upstream from mouth.

DRAINAGE AREA.--560 sq mi.

PERIOD OF RECORD.--July 1928 to current year. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to July 14, 1939, nonrecording gage; and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft downstream from bridge on U.S. Highway 51, 0.8 mile downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft above mean sea level; July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft above mean sea level.

AVERAGE DISCHARGE.--44 years, 819 cfs (19.86 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 3,020 cfs Oct. 1; minimum discharge, 5.0 cfs at times.
Period of record: Maximum discharge, 36,300 cfs Feb. 14, 1948 (gage height, 21.61 ft, site and datum then in use); maximum discharge since July 1951, when regulation began,6,060 cfs Dec. 28, 1951; no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 cfs Sept. 28, 1931, but may have been less during period of estimated record October to December 1931.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see sta 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3020	133	252	263	609	292	320	124	129	131	974	921
2	2980	133	251	5.0	608	295	320	124	129	131	971	918
3	2930	133	251	5.0	608	298	320	124	129	131	970	916
4	2300	133	251	5.0	607	300	320	124	129	131	967	914
5	1320	133	251	5.0	607	301	322	124	129	131	966	914
6	1030	133	251	5.0	606	302	322	124	129	131	964	911
7	697	133	252	5.0	606	302	322	124	129	131	962	818
8	533	133	252	5.0	606	305	323	126	129	131	960	734
9	532	133	252	5.0	606	307	323	128	129	131	958	733
10	530	133	252	5.0	606	308	323	128	129	131	957	732
11	529	133	253	5.0	523	308	323	128	129	131	955	731
12	528	133	253	5.0	294	308	202	129	129	131	955	729
13	526	133	254	415	294	308	122	129	129	131	797	728
14	525	133	256	614	294	309	122	129	129	131	5.0	727
15	524	133	258	613	294	309	122	129	129	131	5.0	725
16	522	133	259	613	294	312	123	129	130	131	676	724
17	521	133	260	612	294	314	123	129	130	131	952	722
18	520	133	261	611	293	315	123	129	130	131	950	722
19	518	133	262	611	293	315	652	129	130	131	948	721
20	517	133	262	611	293	316	1320	129	130	459	946	720
21	515	133	262	610	293	316	1320	129	130	682	943	719
22	514	201	262	610	293	316	918	129	129	681	941	718
23	512	254	263	610	293	316	122	129	129	680	939	1270
24	512	253	263	609	293	316	122	129	129	679	937	1510
25	512	253	263	416	293	316	122	129	129	679	936	1460
26	510	252	263	5.0	293	316	122	129	130	678	934	1350
27	509	252	263	221	293	316	122	129	130	878	932	1160
28	349	252	263	609	292	317	122	129	131	886	929	1570
29	133	252	264	609	292	318	123	129	131	675	927	1540
30	133	252	264	609	------	320	124	129	131	675	925	1430
31	133	------	264	609	------	320	------	129	------	857	922	------
TOTAL	25,434	5,014	7,987	10,535	11,870	9,611	9,664	3,958	3,884	10,998	17,103	28,487
MEAN	820	167	258	340	409	310	322	128	129	355	874	950
MAX	3,020	254	264	614	609	320	1,320	129	131	886	974	1,570
MIN	133	133	251	5.0	292	292	122	124	129	131	5.0	718
(†)	-714	-43.7	+263	+1,192	-108	+613	+240	+652	+175	-255	-818	-798

CAL YR 1971 TOTAL 285,665 MEAN 783 MAX 3,020 MIN 5.0 (†) -8.15
WTR YR 1972 TOTAL 154,545 MEAN 422 MAX 3,020 MIN 5.0 (†) +35.5

† Change in contents, equivalent in cubic feet per second, in Enid Lake (see sta 07274500).

07278000 Arkabutla Lake near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of dam on Coldwater River, 4 miles north of Arkabutla, and 54.3 miles upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 sq mi, approximately.

PERIOD OF RECORD.--August 1941 to current year. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1938, at datum 191.18 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 199,200 acre-ft Aug. 31 (elevation, 225.19 ft); minimum, 31,200 acre-ft Oct. 26 (elevation, 209.22 ft).

Period of record: Maximum contents, 649,900 acre-ft May 21, 1953 (elevation, 241.74 ft); minimum, since initial filling of reservoir to conservation level, 30 acre-ft at times during 1942-45; minimum elevation, 192.83 ft Aug. 25, 1943.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft at elevation 238.3 ft (crest of spillway), of which about 493,800 acre-ft is available for flood-control storage and about 31,500 acre-ft of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (18 ft above sill of outlet gates). Water below elevation 191.3 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1007: 1941. WSP 1241: 1947.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

209	30.1	215	69.8	222	149.0
210	35.3	218	98.9	225	195.9
212	47.3	220	122.3	227	232.2

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54,300	33,100	35,500	44,800	73,800	50,200	59,100	126,000	168,000	127,000	199,200	144,700
2	53,600	33,500	35,400	49,400	72,900	50,200	58,500	132,200	167,600	125,400	198,500	142,700
3	52,800	33,700	35,700	55,500	71,300	51,300	57,600	136,300	166,500	127,800	197,800	141,600
4	51,900	34,100	35,700	58,600	70,500	52,000	59,100	138,700	165,400	151,000	196,100	139,800
5	51,100	34,400	35,800	66,000	69,400	52,400	61,900	139,600	164,300	174,900	194,000	139,200
6	50,200	34,500	35,900	70,300	68,400	52,600	63,700	140,100	163,200	181,000	192,000	136,600
7	49,400	34,700	36,100	73,000	68,000	52,600	64,600	140,400	162,200	185,600	190,000	135,200
8	49,200	34,800	36,200	74,900	68,000	52,300	65,100	143,000	161,300	189,000	188,400	133,400
9	48,800	34,800	36,500	76,800	67,300	52,200	64,800	152,600	158,100	190,500	186,200	131,500
10	48,500	34,800	38,800	79,900	66,800	52,000	64,100	157,300	154,800	190,700	184,200	129,700
11	48,400	34,900	41,300	81,100	66,000	51,500	63,300	158,500	151,900	190,900	182,900	127,900
12	48,200	35,100	41,900	81,000	65,100	50,900	62,300	160,300	148,600	190,900	180,900	126,600
13	46,800	35,100	42,500	80,000	63,900	50,400	62,500	161,500	145,800	190,500	180,400	125,600
14	45,400	35,400	43,000	78,900	63,300	49,800	62,500	162,000	142,700	190,400	179,600	124,600
15	44,000	35,400	44,600	77,200	62,300	49,300	62,600	162,000	140,300	190,000	178,200	123,600
16	42,500	35,500	46,700	76,200	61,400	50,800	65,400	162,000	140,700	189,700	176,600	122,400
17	41,200	35,600	47,800	74,500	60,500	56,000	73,900	163,200	138,500	189,500	174,700	121,400
18	39,900	35,700	48,300	73,000	59,200	58,600	78,900	164,900	135,500	189,200	172,700	121,200
19	38,900	36,000	48,500	71,700	58,100	59,400	80,900	165,400	132,000	189,000	170,800	122,300
20	37,600	36,300	48,900	70,700	57,500	59,700	81,100	165,200	129,900	188,700	168,800	121,700
21	36,400	36,000	49,000	70,100	56,400	59,600	80,900	165,100	127,000	187,700	166,800	120,300
22	35,400	36,400	49,100	70,800	55,800	59,000	83,400	164,900	124,000	186,400	164,500	119,100
23	34,200	36,400	48,700	71,100	54,900	58,300	87,100	164,300	120,900	185,100	162,600	117,900
24	33,200	36,200	48,600	70,900	54,100	57,600	90,500	163,900	117,900	183,700	160,700	117,900
25	32,300	36,100	47,300	71,400	53,400	57,400	92,100	164,200	115,100	182,400	158,800	118,600
26	31,500	36,000	46,800	70,600	52,600	59,000	93,200	164,200	121,600	181,300	156,700	117,500
27	31,300	35,700	46,300	70,000	52,000	59,900	93,700	163,700	125,200	180,300	154,700	117,000
28	31,600	35,800	45,900	69,500	51,400	60,300	93,800	163,400	126,800	180,300	152,600	117,000
29	32,000	35,600	45,400	73,000	50,800	60,300	98,700	162,900	128,900	183,900	150,700	117,400
30	32,400	35,600	45,100	74,300	-------	60,400	116,800	164,300	129,100	195,000	148,600	119,800
31	32,700	-------	45,100	74,200	-------	59,900	-------	167,900	-------	199,000	146,600	-------
MAX	54,300	36,400	49,100	81,100	73,800	60,400	116,800	167,900	168,000	199,000	199,200	144,700
MIN	31,300	33,100	35,400	44,800	50,800	49,300	57,600	126,000	115,100	125,400	146,600	117,000
(†)	209.56	210.04	211.62	215.47	212.46	213.70	220.20	223.28	220.44	225.19	221.74	219.91
(‡)	-21,800	+2,500	+9,400	+29,000	-23,500	+9,000	+65,400	+43,200	-40,100	+71,300	-53,800	-24,200

CAL YR 1971 ....‡ -31,500
WTR YR 1972 ....‡ +66,400

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet.

07278500 Coldwater River at Arkabutla Dam, near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of Arkabutla Dam, 4 miles north of Arkabutla, and 54.3 miles upstream from mouth.

DRAINAGE AREA.--1,000 sq mi, approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 miles downstream at datum 187.54 ft above mean sea level. Jan. 1 to June 30, 1942, nonrecording gage 135 ft downstream from outlet tunnel of Arkabutla Dan and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft downstream from outlet tunnel, both at datum 171.28 ft above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present site at datum 191.18 ft above mean sea level.

AVERAGE DISCHARGE.--34 years, 1,259 cfs (17.10 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 1,560 cfs June 9; minimum discharge, 5.0 cfs at times.

Period of record: Maximum discharge observed, 30,200 cfs Jan. 22, 1938 (gage height, 12.9 ft, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 cfs Oct. 15, 1938.

A stage of 21.3 ft (from floodmarks) occurred in January 1935 at original site and datum.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see sta 07278000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1241: 1946. WSP 1441: 1938(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	635	5.0	260	490	979	577	711	299	308	1,480	672	1,030
2	624	5.0	260	586	962	572	701	299	537	1,480	671	1,030
3	613	5.0	261	659	934	591	690	300	652	471	788	1,030
4	602	5.0	261	272	919	600	724	301	651	122	1,060	1,030
5	580	63	261	5.0	901	606	772	301	650	214	1,060	1,030
6	569	144	261	5.0	886	610	804	301	649	179	1,050	1,020
7	371	144	261	5.0	882	609	812	301	649	122	1,050	1,020
8	276	144	261	5.0	880	605	826	302	1,260	218	1,050	1,020
9	275	144	262	5.0	871	604	817	303	1,560	218	1,050	1,020
10	275	144	266	509	856	599	807	306	1,550	218	1,050	1,020
11	275	144	268	1,100	841	590	789	306	1,540	218	1,050	841
12	571	145	268	1,100	824	580	435	306	1,530	218	1,050	623
13	814	145	269	1,080	804	569	263	307	1,530	218	1,050	623
14	792	145	270	1,070	789	566	263	307	1,520	218	1,050	622
15	759	145	272	1,040	769	556	263	307	1,520	218	1,050	621
16	737	145	274	1,020	753	599	268	307	1,520	218	1,050	620
17	715	146	275	990	738	671	274	307	1,520	218	1,050	619
18	695	146	275	964	711	710	278	308	1,510	218	1,040	619
19	675	146	275	944	697	724	745	308	1,500	218	1,040	696
20	655	146	275	931	685	727	1,100	308	1,490	483	1,040	756
21	635	146	275	926	670	724	1,100	308	1,480	665	1,040	755
22	610	208	445	932	659	711	1,110	308	1,480	664	1,040	755
23	592	261	545	942	645	698	559	307	1,470	664	1,040	754
24	579	261	535	631	630	688	286	307	1,470	663	1,040	754
25	561	261	524	946	622	689	287	307	1,460	662	1,040	755
26	351	261	514	931	610	725	288	206	1,480	552	1,040	754
27	5.0	261	503	916	600	738	289	307	1,480	5.0	1,030	754
28	5.0	261	498	919	589	741	289	307	1,480	463	1,030	754
29	5.0	260	491	978	579	741	290	307	1,490	197	1,030	754
30	5.0	260	485	994	------	728	297	122	1,490	5.0	1,030	756
31	5.0	------	485	992	------	728	------	103	------	399	1,030	------
TOTAL	14,861.0	4,696	10,635	22,887.0	22,285	20,176	17,137	8,973	38,426	12,106.0	31,361	24,435
MEAN	479	157	343	738	768	651	571	289	1,281	391	1,012	814
MAX	814	261	545	1,100	979	741	1,110	308	1,560	1,480	1,060	1,030
MIN	5.0	5.0	260	5.0	579	556	263	103	308	5.0	671	619
(†)	-355	+42.0	+153	+472	-409	+146	+1,099	+703	-674	+1,160	-875	-407

CAL YR 1971 TOTAL 327,618 MEAN 898 MAX 2,880 MIN 5.0 (†) -43.5
WTR YR 1972 TOTAL 227,978 MEAN 623 MAX 1,560 MIN 5.0 (†) +91.5

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see sta 07278000).

07280000 Tallahatchie River near Lambert, Miss.

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw meridian, Quitman County, near center of span on downstream side of highway bridge, 0.2 mile downstream from Coldwater River, 3.5 miles southeast of Lambert, and 24.5 miles downstream from point of diversion of Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 sw mi, approximately (does not include 2,600 sq mi of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 miles upstream through Panola-Quitman Floodway).

PERIOD OF RECORD.--October 1935 to current year. Prior to October 1938, monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 miles downstream from base gage at datum 2.66 ft higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 2,543 cfs (17.44 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 6,220 cfs Jan. 5; maximum gage height, 25.64 ft Jan. 5; minimum daily discharge, 343 cfs Dec. 2.

Period of record: Maximum discharge observed, 32,800 cfs Jan. 30, 1937 (gage height, 35.54 ft); minimum, 59 cfs Oct. 27-29, 1942; minimum gage height, 5.85 ft Oct. 16-21, 1938.

A stage of 36.8 ft (from floodmarks) occurred in January 1932 (probably affected by levee breaks above).

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see sta 07278000).

COOPERATION.--Twenty-six discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1939.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER TO SEPTEMBER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	833	517	450	820	1,980	830	1,280	3,350	880	2,100	1,790	1,210
2	858	512	343	2,660	1,740	1,030	1,200	2,890	460	2,050	1,680	1,210
3	840	501	421	5,310	1,620	1,770	1,110	2,640	480	2,090	1,490	1,210
4	800	492	374	5,190	1,440	2,050	1,040	2,000	760	2,430	1,270	1,210
5	578	481	394	6,220	1,350	1,540	1,380	1,450	840	2,900	1,260	1,280
6	730	473	351	5,340	1,270	1,500	1,590	1,100	840	2,680	1,330	1,320
7	806	468	351	3,980	1,200	1,370	1,500	1,050	830	2,220	1,410	1,290
8	808	479	344	3,500	1,350	920	1,440	1,550	840	1,710	1,460	1,270
9	759	479	350	3,000	1,350	2,360	1,390	2,890	900	1,460	1,450	1,250
10	731	469	550	2,450	1,230	1,730	1,330	2,320	1,640	1,170	1,430	1,230
11	718	467	903	2,170	1,130	1,370	1,290	1,930	1,870	1,000	1,490	1,210
12	711	465	1,070	2,050	1,120	1,180	1,260	1,440	1,950	820	1,440	1,160
13	710	460	951	1,980	1,150	1,070	1,240	1,030	1,980	650	1,300	990
14	775	539	942	1,730	1,130	950	1,030	720	2,000	540	1,320	760
15	914	513	1,540	1,580	1,130	840	1,000	640	2,090	510	1,300	690
16	893	562	2,340	1,380	1,090	950	1,000	700	3,000	480	1,210	680
17	966	549	2,090	1,310	1,080	2,610	3,020	780	2,720	450	1,200	610
18	951	542	1,530	1,300	1,040	2,490	2,120	990	2,450	420	1,190	1,190
19	936	542	1,220	1,250	1,040	2,130	1,470	880	2,280	420	1,190	940
20	958	531	905	1,210	980	1,640	1,000	760	2,100	380	1,190	750
21	909	514	679	1,200	920	1,380	1,440	740	1,900	490	1,190	740
22	788	513	572	1,310	900	1,300	1,950	680	1,860	590	1,190	730
23	817	543	537	1,350	850	1,240	2,580	640	1,810	730	1,190	720
24	812	567	744	1,330	850	1,200	1,480	680	1,790	870	1,230	710
25	824	585	809	1,160	830	1,170	1,120	700	1,780	910	1,300	1,640
26	878	578	812	1,220	820	1,220	900	550	1,830	940	1,330	1,300
27	748	598	764	1,290	810	1,590	710	490	1,920	820	1,310	990
28	688	591	742	1,290	780	1,510	690	490	2,060	660	1,280	890
29	615	366	729	2,150	800	1,460	710	540	2,230	600	1,260	930
30	550	568	716	2,450	------	1,420	4,240	910	2,190	2,810	1,210	1,080
31	529	------	764	2,250	------	1,330	------	1,590	------	2,660	1,210	------
TOTAL	24,433	15,464	25,287	71,430	32,980	45,150	43,510	39,120	50,280	39,560	41,100	31,190
MEAN	788	515	816	2,304	1,137	1,456	1,450	1,262	1,676	1,244	1,326	1,040
MAX	966	598	2,340	6,220	1,980	2,610	4,240	3,350	3,000	2,900	1,790	1,640
MIN	529	366	343	820	780	830	690	490	460	380	1,190	610

CAL YR 1971 TOTAL 692,110 MEAN 1,896 MAX 9,700 MIN 343 (†) -43.5
WTR YR 1972 TOTAL 458,504 MEAN 1,253 MAX 6,220 MIN 343 (†) +91.5

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see sta 07278000).

07281000 Tallahatchie River at Swan Lake, Miss.

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw meridian, Tallahatchie County, on downstream side of left pier of highway bridge, 1 mile southeast of Swan Lake, 3 miles downstream from Cassidy Bayou, and 18 miles downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 sq mi, approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft above mean sea level. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum, all at site 1.3 miles upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 miles downstream from former base gage at datum 0.95 ft lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 miles downstream from former base gage at same datum.

AVERAGE DISCHARGE.--34 years (1938-72), 7,107 cfs (18.81 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 12,700 cfs Jan. 6; maximum gage height, 23.68 ft Jan. 6; minimum daily, 1,270 cfs July 20; minimum gage height, 6.18 ft July 21.

Period of record: Maximum discharge observed, 49,200 cfs Apr. 9, 1933; maximum gage height, 37.0 ft Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 cfs Oct. 27, 1942; minimum gage height, 1.38 ft Oct. 26-28, 1942.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), and Arkabutla Lake on Coldwater River (see sta 07278000).

COOPERATION.--Twenty-five discharge measurements and records of daily discharge furnished by Corps of Engineers: records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1711: 1932(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,920	3,680	2,520	2,410	4,810	2,520	2,660	7,250	2,310	4,330	6,100	5,080
2	3,860	3,620	2,170	7,740	4,430	3,020	2,470	5,870	1,740	4,380	5,680	5,060
3	3,800	3,620	2,170	9,930	4,130	4,700	2,380	4,780	1,530	4,500	5,450	5,050
4	3,680	3,560	2,040	11,600	3,880	4,910	2,660	3,750	1,540	5,940	5,240	5,070
5	3,800	3,500	1,890	12,500	3,670	4,910	3,150	2,890	1,610	6,330	5,140	5,190
6	4,760	3,440	1,820	12,700	3,540	4,640	3,000	2,370	1,630	5,850	5,360	5,190
7	5,240	3,440	1,820	12,400	3,580	4,000	2,880	2,410	1,620	4,670	5,540	5,040
8	5,360	3,440	1,820	11,500	3,590	5,160	2,770	5,080	1,610	3,400	5,620	4,900
9	5,240	3,440	1,780	10,200	3,510	6,300	2,650	7,660	1,610	2,640	5,640	4,790
10	5,120	3,440	1,870	9,180	3,450	5,320	2,520	7,080	1,820	2,250	5,840	4,750
11	5,080	3,390	2,130	7,940	3,360	4,160	2,450	5,250	2,140	1,950	5,990	4,670
12	5,000	3,340	2,380	6,580	3,240	3,320	2,410	3,460	2,270	1,750	5,840	4,610
13	4,940	3,340	3,860	5,360	3,070	2,880	2,280	2,400	2,320	1,610	5,850	4,480
14	5,060	3,290	3,140	4,650	2,960	2,660	1,980	1,940	2,340	1,500	5,900	4,290
15	5,300	3,240	3,290	4,420	2,890	2,570	1,700	1,700	2,510	1,440	5,590	4,120
16	5,420	3,190	4,580	4,280	2,840	3,320	2,290	1,560	4,000	1,400	5,500	4,110
17	5,420	3,140	4,290	4,040	2,790	5,450	3,840	1,510	3,940	1,350	5,460	4,110
18	5,360	3,140	3,680	3,820	2,730	5,130	3,320	1,650	3,380	1,310	5,410	4,920
19	5,240	3,140	3,090	3,660	2,700	4,480	2,640	1,590	3,100	1,290	5,360	5,090
20	5,180	3,090	2,700	3,510	2,650	3,830	2,460	1,490	2,980	1,270	5,320	4,740
21	5,120	3,040	2,420	3,420	2,620	3,340	3,660	1,410	2,900	1,500	5,290	4,520
22	5,120	2,990	2,250	3,380	2,600	3,060	4,760	1,360	2,720	2,590	5,260	4,470
23	5,060	2,990	2,090	3,400	2,600	2,830	5,480	1,340	2,570	4,200	5,260	4,430
24	5,060	3,040	2,050	3,380	2,560	2,650	5,160	1,340	2,480	5,330	5,280	4,630
25	5,060	3,040	2,090	3,340	2,570	2,570	3,690	1,540	2,440	5,950	5,350	4,700
26	5,000	3,040	2,050	3,170	2,570	2,860	2,430	1,480	2,590	6,120	5,360	3,940
27	4,940	2,990	2,090	2,860	2,550	2,860	1,860	1,410	2,790	5,430	5,280	3,320
28	4,760	2,940	2,090	2,970	2,520	2,830	1,630	1,570	2,910	4,740	5,200	2,980
29	4,400	2,940	2,090	4,410	2,510	2,860	4,770	1,830	3,760	4,590	5,160	3,100
30	4,040	2,890	2,050	5,240	-------	2,880	8,000	2,130	4,020	5,510	5,130	3,660
31	3,800	-------	2,050	5,210	-------	2,700	-------	2,720	-------	6,330	5,110	-------
TOTAL	149,060	97,380	76,400	189,200	90,920	114,720	93,890	89,820	75,180	111,490	169,410	135,010
MEAN	4,808	3,246	2,465	6,103	3,135	3,701	3,130	2,897	2,506	3,596	5,465	4,500
MAX	5,420	3,680	4,580	12,700	4,810	6,300	8,000	7,660	4,020	6,330	6,100	5,190
MIN	3,680	2,890	1,780	2,410	2,510	2,520	1,630	1,340	1,530	1,270	5,110	2,980

CAL YR 1971 TOTAL 2,200,230 MEAN 6,028 MAX 14,900 MIN 1,780 (†) -57.9
WTR YR 1972 TOTAL 1,392,480 MEAN 3,805 MAX 12,700 MIN 1,270 (†) +69.0

†Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stas 07272000, 07274500, and 07278000).

07282000 Yalobusha River at Calhoun City, Miss.

LOCATION.—Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw meridian, Calhoun County, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mile upstream from Topashaw Creek, 1.2 miles south of Calhoun City, 1.5 miles upstream from old channel, and 4.8 miles upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.—305 sq mi (combined drainage area of all channels).

PERIOD OF RECORD.—October 1950 to current year.

GAGE.—Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 226.06 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream at same datum. Water-stage recorder and nonrecording gage read twice daily on Topashaw Creek Canal, 2.5 miles southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

AVERAGE DISCHARGE.—22 years, 343 cfs (15.27 inches per year).

EXTREMES.—Current year: Maximum discharge, 23,400 cfs May 8; maximum gage height at river gage, 21.45 ft May 7; minimum daily discharge, 1.6 cfs Oct. 4.

Period of record: Maximum discharge, 29,300 cfs Dec. 30, 1969; maximum gage height at river gage, 25.22 ft Mar. 29, 1951 (present datum); no flow at times.

REMARKS.—Records fair. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

REVISIONS (WATER YEARS).—WRD Miss. 1970: 1969 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.7	8.8	900	128	307	111	136	8.6	52	10	3.6
2	1.7	5.7	9.4	4,740	101	4,800	82	718	7.9	27	7.0	3.4
3	1.8	7.0	207	1,660	85	2,070	73	1,550	7.2	285	2.8	3.2
4	1.6	8.3	61	11,200	68	823	1,070	295	22	844	3.8	16
5	18	5.1	28	3,510	59	684	431	158	7.4	410	17	24
6	13	4.3	875	1,430	65	288	215	127	6.3	70	60	8.6
7	8.0	4.3	586	684	142	312	147	3,840	6.3	34	2.0	5.6
8	5.1	5.0	191	326	100	7,900	107	8,700	5.8	22	2.9	46
9	3.6	5.1	83	563	83	1,710	86	2,310	5.8	18	1.7	18
10	2.7	4.5	63	4,630	74	837	71	965	5.5	14	8.6	10
11	2.5	4.9	58	2,910	61	395	62	343	5.4	14	87	8.2
12	2.3	4.7	193	1,270	70	260	57	254	5.0	13	91	8.7
13	2.1	5.0	441	570	77	173	47	488	4.9	16	215	7.0
14	2.1	5.0	172	242	73	144	45	196	4.6	12	41	10
15	2.0	4.8	128	134	69	126	40	108	35	10	18	9.0
16	2.2	4.2	106	100	63	270	1,200	76	21	9.2	6.8	6.6
17	2.1	4.5	378	90	103	290	360	98	13	10	8.0	66
18	2.9	4.3	246	75	124	200	175	65	8.8	20	5.1	43
19	2.3	12	169	73	106	144	83	46	7.4	11	5.3	22
20	2.3	12	96	66	87	102	59	40	6.7	8.8	4.3	9.7
21	2.4	10	75	74	68	85	784	36	5.9	8.1	4.0	5.9
22	2.4	6.2	59	64	76	81	3,470	23	5.5	6.9	3.8	3.8
23	3.5	8.1	55	62	97	77	460	24	5.0	6.2	3.3	13
24	20	7.8	45	58	90	65	149	25	5.0	5.7	62	6.2
25	9.1	7.0	33	52	91	137	74	19	1,440	4.8	9.3	3.1
26	6.9	6.7	30	46	105	131	59	16	292	4.0	18	3.2
27	5.1	7.6	26	47	90	114	48	15	68	3.4	7.5	3.8
28	4.4	8.2	26	63	72	469	35	11	218	2.8	5.7	9.0
29	2.9	20	23	96	64	774	527	9.6	1,710	14	4.4	7.6
30	2.8	14	69	208	------	309	343	15	151	27	4.0	407
31	2.8	------	63	171	------	166	------	13	------	14	3.9	------
TOTAL	142.7	209.0	4,603.2	36,114	2,491	24,243	10,470	20,719.6	4,095.0	1,996.9	723.2	791.2
MEAN	4.60	6.97	148	1,165	85.9	782	349	668	137	64.4	23.3	26.4
MAX	20	20	875	11,200	142	7,900	3,470	8,700	1,710	844	215	407
MIN	1.6	2.7	8.8	46	59	65	35	9.6	4.6	2.8	1.7	3.1
CFSM	.02	.02	.49	3.82	.28	2.56	1.14	2.19	.45	.21	.08	.09
IN.	.02	.03	.56	4.40	.36	2.96	1.28	2.53	.50	.24	.09	.10

CAL YR 1971 TOTAL 164,059.3 MEAN 449 MAX 15,400 MIN 1.6 CFSM 1.47 IN 20.01
WTR YR 1972 TOTAL 106,598.8 MEAN 291 MAX 11,200 MIN 1.6 CFSM .95 IN 13.00

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-04	0645	-	21,900	05-08	0015	-	23,400
03-08	0515	-	20,000				

07283000 Skuna River at Bruce, Miss.

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw meridian, Calhoun County, near right bank on downstream side of bridge on State Highway 9, 1 mile south of Bruce.

DRAINAGE AREA.--254 sq mi.

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.0 ft higher. Oct. 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

AVERAGE DISCHARGE.--25 years, 344 cfs (18.39 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,300 cfs Jan. 4 (gage height, 22.48 ft); minimum daily, 5.3 cfs Aug. 9.
Period of record: Maximum discharge, 61,400 cfs Mar. 21, 1955 (gage height, 34.11 ft, present datum), from rating curve extended above 19,000 cfs on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 cfs Aug. 18, 1954.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WSP 1920: 1958(P), 1959-60(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	9.2	18	1,500	146	40	100	72	24	36	11	7.4
2	5.8	12	17	5,250	129	2,400	81	95	18	22	9.2	7.2
3	14	13	20	1,080	112	1,080	72	250	14	19	7.8	7.0
4	31	10	30	8,780	98	349	1,070	105	12	24	6.5	63
5	15	10	80	1,690	77	225	274	86	10	177	6.3	52
6	10	9.9	200	740	122	181	144	76	9.9	51	5.9	18
7	9.6	18	545	450	331	181	102	1,140	9.5	30	5.9	14
8	8.8	16	137	250	142	1,900	118	6,870	9.0	26	5.5	8.8
9	8.2	13	100	680	90	538	90	1,120	8.6	24	5.3	38
10	7.6	12	86	1,910	60	239	76	431	8.4	21	41	13
11	7.0	10	80	864	53	174	70	136	8.0	20	25	7.0
12	6.6	10	1,390	276	66	140	65	122	7.8	20	19	6.8
13	7.4	9.8	1,320	105	154	119	60	857	7.6	19	78	6.6
14	7.0	9.3	294	72	119	128	56	250	7.5	18	25	6.4
15	5.8	8.8	172	68	111	100	52	121	7.4	17	16	6.1
16	5.6	8.5	382	63	99	165	1,270	69	21	16	13	5.8
17	5.4	8.2	1,190	59	98	130	295	115	34	15	11	7.0
18	6.0	30	514	58	81	98	115	56	20	18	9.6	20
19	10	71	190	58	68	80	72	31	17	14	8.8	90
20	7.5	35	106	64	55	77	55	27	14	13	7.6	50
21	6.8	21	70	72	43	72	46	24	12	11	7.2	25
22	6.6	18	52	110	37	70	80	23	10	10	7.1	12
23	6.6	20	42	69	43	69	62	23	9.4	9.9	7.0	15
24	9.0	23	38	67	55	69	52	22	8.8	9.4	6.8	9.0
25	40	18	37	74	47	122	44	56	66	9.0	54	9.3
26	30	14	36	84	44	237	41	28	215	8.6	23	300
27	20	12	38	84	48	158	39	22	35	8.2	12	180
28	14	16	45	239	45	230	38	19	30	15	9.5	13
29	10	31	39	606	42	1,220	184	16	86	25	8.8	21
30	9.0	20	80	746	------	362	133	62	84	60	8.0	374
31	8.6	------	300	223	------	142	------	40	------	20	7.6	------
TOTAL	344.7	516.7	7,648	26,391	2,615	11,095	4,956	12,364	823.9	786.1	468.4	1,392.4
MEAN	11.1	17.2	247	851	90.2	358	165	399	27.5	25.4	15.1	46.4
MAX	40	71	1,390	8,780	331	2,400	1,270	6,870	215	177	78	374
MIN	5.4	8.2	17	58	37	40	38	16	7.4	8.2	5.3	5.8
CFSM	.04	.07	.97	3.35	.36	1.41	.65	1.57	.11	.10	.06	.18
IN.	.05	.08	1.12	3.87	.38	1.62	.73	1.81	.12	.12	.07	.20

CAL YR 1971 TOTAL 116,293.0 MEAN 319 MAX 7,420 MIN 5.0 CFSM 1.26 IN 17.03
WTR YR 1972 TOTAL 69,401.2 MEAN 190 MAX 8,780 MIN 5.3 CFSM .75 IN 10.16

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-02	0515	19.76	9,620	05-08	0415	21.39	12,300
01-04	0815	22.48	14,300				

07284500 Grenada Lake near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, at gatehouse of dam on Yalobusha River, 2.2 miles upstream from Batupan Creek, 3 miles northeast of Grenada, and 63.6 miles upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 sq mi, approximately.

PERIOD OF RECORD.--July 1953 to current year. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft above mean sea level.

EXTREMES.--Current year: Maximum contents, 640,900 acre-ft May 19, July 7 (elevation,217.43 ft); minimum, 87,700 acre-ft Nov. 29 (elevation, 193.20 ft).

Period of record: Maximum contents, 1,189,800 acre-ft Apr. 15, 16, 1962 (elevation, 228.62 ft); minimum since initial filling of reservoir to conservation level, 66,900 acre-ft Dec. 4, 1962 (elevation, 190.95 ft).

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft at elevation 231.0 ft (crest of spillway), of which about 1,251,700 acre-ft is available for flood-control storage and about 85,700 acre-ft of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (24 ft above sill of outlet gates). Water below 169.0 ft cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

193	85.7	210	389.1
195	106.5	215	549.3
200	171.8	220	747.3
205	264.3		

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1	177,200	91,600	88,600	159,800	397,400	320,900	458,200	497,300	631,500	627,900	550,800	
2	170,300	91,600	86,700	177,200	391,700	326,400	458,200	500,400	630,300	627,900	546,400	396,300
3	163,500	91,900	90,300	203,700	384,900	340,400	456,600	504,700	628,700	629,100	542,200	390,500
4	155,400	91,700	91,500	241,600	381,800	354,100	460,700	510,100	627,900	635,000	538,300	386,300
5	149,500	91,700	93,300	309,500	376,600	362,900	464,200	514,200	626,800	638,600	533,100	382,700
6	142,900	91,500	95,600	354,300	371,900	368,600	466,200	516,300	625,600	639,800	529,200	377,400
7	136,500	91,800	99,000	357,500	367,800	370,000	466,500	520,800	624,800	640,900	520,500	372,500
8	129,600	91,700	103,600	375,800	363,700	384,900	469,400	540,100	624,000	638,600	515,600	368,100
9	123,300	91,400	107,100	379,300	359,400	409,900	469,400	597,300	622,800	635,000	509,100	365,100
10	116,500	91,200	108,500	397,100	354,800	426,700	467,800	619,800	622,800	631,900	505,700	361,000
11	109,300	91,200	111,800	401,500	350,400	435,700	466,500	625,600	622,400	625,200	500,700	357,200
12	103,700	91,200	113,200	417,600	346,400	439,000	465,800	629,900	620,100	617,800	495,000	352,700
13	97,700	91,200	119,800	426,000	345,900	440,300	465,800	631,900	619,400	610,900	491,700	348,500
14	93,100	91,200	127,800	432,900	345,400	442,400	465,200	635,000	618,200	604,500	492,000	344,300
15	90,200	91,200	133,100	434,200	344,100	442,400	464,600	637,000	620,100	598,800	491,700	340,400
16	90,200	90,700	136,000	436,300	343,300	446,400	468,400	637,600	622,800	593,800	487,300	337,000
17	90,200	90,400	140,100	437,600	341,500	448,900	475,200	639,800	622,800	589,700	481,700	332,900
18	90,200	90,000	144,800	439,300	339,600	451,100	477,400	640,500	621,700	584,800	476,100	334,700
19	90,200	90,400	148,700	440,000	337,800	451,500	478,100	640,900	621,300	580,000	470,300	331,900
20	90,100	90,500	151,400	440,900	337,000	451,800	477,400	639,800	619,400	575,600	464,600	328,900
21	89,900	90,200	153,500	441,800	334,700	451,800	475,500	639,000	620,100	571,200	459,100	325,100
22	89,900	89,700	154,900	437,800	333,700	450,500	474,200	639,000	619,000	566,800	454,000	320,900
23	89,900	89,500	155,700	434,200	331,900	450,500	476,800	638,600	617,400	562,400	448,600	317,600
24	90,200	88,800	156,100	430,800	330,400	450,500	481,000	637,400	615,500	559,100	443,600	310,200
25	90,700	88,800	156,700	426,900	329,100	449,200	482,700	637,000	614,400	558,800	439,700	302,300
26	91,400	88,200	157,100	420,800	329,100	448,600	482,700	636,600	619,400	558,000	433,600	294,800
27	91,500	88,900	157,800	414,900	327,900	446,600	481,700	635,800	619,400	556,900	429,300	287,300
28	91,600	88,000	158,700	410,500	324,600	449,600	481,700	634,600	622,800	552,600	423,800	280,100
29	91,600	87,700	158,700	405,800	322,900	451,100	487,700	633,800	626,000	552,600	417,800	272,900
30	91,600	88,100	159,000	404,400	------	456,600	494,700	632,700	626,400	554,000	412,500	271,400
31	91,600	------	160,700	400,600	------	457,500	------	632,700	------	553,700	407,600	------
MAX	177,200	91,900	160,700	441,800	397,400	457,500	494,700	640,900	631,500	640,900	550,800	402,100
MIN	89,900	87,700	88,600	159,800	322,900	320,900	456,600	497,300	614,400	552,600	407,600	271,400
(†)	193.59	193.27	199.26	210.33	207.45	212.29	213.49	217.20	217.09	215.07	210.50	205.22
(‡)	-87,900	-3,200	+72,300	+237,900	-77,200	+136,400	+39,200	+134,900	-4,400	-75,700	-148,300	-134,300

CAL YR 1971............ ‡ -43,500
WTR YR 1972............ ‡ +89,700

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet.

07285000 Yalobusha River at Grenada Dam, near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, in gatehouse of Grenada Dam, 2.2 miles upstream from Batupan Creek, 3 miles northeast of Grenada, and 63.6 miles upstream from mouth.

DRAINAGE AREA.--1,320 sq mi, approximately.

PERIOD OF RECORD.--July 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft above mean sea level.

AVERAGE DISCHARGE.--19 years, 1,713 cfs (17.62 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 3,850 cfs Sept. 24; minimum daily, 5.0 cfs at times.
Period of record: Maximum discharge, 4,880 cfs Jan. 3, 1958; no flow at times prior to Jan. 1, 1959.

REMARKS.--Flow completely regulated by Grenada Lake (see sta 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,550	108	5.0	5.0	3,090	1,090	584	288	303	302	1,800	2,510
2	3,470	108	5.0	5.0	3,080	1,100	584	288	302	302	1,800	2,510
3	3,430	108	5.0	5.0	3,070	1,100	584	289	302	302	1,800	2,500
4	3,510	108	5.0	5.0	3,070	1,110	585	290	302	303	2,220	2,760
5	3,430	108	5.0	5.0	3,060	1,120	586	290	302	304	2,640	2,950
6	3,340	108	5.0	5.0	3,050	1,120	586	290	302	132	2,630	2,490
7	3,400	108	5.0	5.0	3,050	1,120	587	291	302	619	2,620	2,210
8	3,370	108	5.0	5.0	3,040	1,130	587	294	302	1,540	2,620	1,950
9	3,270	108	5.0	5.0	3,040	777	587	300	302	1,540	2,610	1,950
10	3,160	108	5.0	5.0	3,030	577	587	302	302	2,770	2,610	1,950
11	3,040	108	5.0	5.0	2,440	579	587	302	302	3,360	2,610	1,950
12	2,950	108	5.0	5.0	1,110	580	586	303	302	3,120	2,600	1,940
13	2,630	108	5.0	5.0	1,110	580	586	303	302	2,790	1,260	1,940
14	1,890	108	5.0	5.0	1,050	580	586	303	301	2,500	405	1,940
15	651	315	5.0	5.0	1,100	580	586	303	302	2,300	1,180	
16	108	434	5.0	5.0	1,100	582	587	304	302	2,250	2,600	
17	108	434	5.0	5.0	1,100	582	588	304	302	2,240	2,590	
18	108	433	5.0	5.0	1,100	583	589	304	302	2,230	2,580	
19	108	434	5.0	5.0	1,100	583	589	304	302	2,220	2,580	
20	107	434	5.0	5.0	1,100	583	1,390	304	302	1,980	2,570	
21	107	433	5.0	1,480	1,100	583	1,760	304	302	1,810	2,570	
22	107	433	5.0	2,280	1,100	583	1,760	304	302	1,810	2,560	
23	107	433	5.0	2,280	1,100	583	1,000	304	301	1,810	2,560	
24	107	432	5.0	2,560	1,100	583	590	304	301	802	2,550	
25	108	432	5.0	3,130	1,100	582	591	303	301	173	2,550	
26	108	432	5.0	3,120	1,100	582	381	303	302	173	2,540	[illegible]
27	108	432	5.0	3,110	1,100	582	286	303	302	1,080	2,540	[illegible]
28	108	432	5.0	3,110	1,090	582	286	303	302	1,800	2,530	3,570
29	108	143	5.0	3,100	1,090	583	287	303	302	812	2,530	3,330
30	108	5.0	5.0	3,100	------	584	288	303	302	294	2,520	2,070
31	108	------	5.0	3,100	------	584	------	303	------	1,130	2,520	------
TOTAL	46,814	7,603.0	155.0	30,478.0	52,770	22,467	19,760	9,293	9,057	44,798	72,295	73,380
MEAN	1,510	253	5.00	983	1,820	725	659	300	302	1,445	2,332	2,446
MAX	3,550	434	5.0	3,130	3,090	1,130	1,760	304	303	3,360	2,640	3,850
MIN	107	5.0	5.0	5.0	1,050	577	286	288	301	132	405	1,920
(†)	-1,430	53.8	+1,176	+3,869	-1,342	+2,218	+659	+2,194	-73.9	-1,231	-2,412	-2,257

CAL YR 1971 TOTAL 640,768.0 MEAN 1,756 MAX 3,550 MIN 5.0 (†) -60.1
WTR YR 1972 TOTAL 388,862.0 MEAN 1,062 MAX 3,850 MIN 5.0 (†) +124

† Change in contents, equivalent in cubic feet per second, in Grenada Lake (see sta 07284500).

07285900 Askalmore Creek at Retention Dam near Cascilla, Miss.

LOCATION.--Lat 33°55'01", long 89°59'48", in NE¼SE¼ sec.29, T.24 N., R.3 E., Choctaw meridian, Tallahatchie County, near outlet structure of retention dam on Askalmore Creek, 1.0 mile upstream from Powers Creek, 4.2 miles north of Cascilla, and 7.2 miles southeast of Charleston.

DRAINAGE AREA.--10.5 sq mi.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above mean sea level (levels by Soil Conservation Service).

AVERAGE DISCHARGE.--6 years, 14.0 cfs (18.17 inches per year).

EXTREMES.--Current year: Maximum discharge, 130 cfs Mar. 8 (gage height, 18.11 ft); minimum daily, 0.43 cfs July 23.
Period of record: Maximum discharge, 134 cfs Nov. 27-29, 1968; maximum gage height, 23.67 ft Nov. 28, 1968; minimum daily discharge, 0.20 cfs July 16-22, 1971.

REMARKS.--Records good. Reservoir constructed by Soil Conservation Service for flood retention. Normal pool area, 95 acres with volume of 762 acre-feet. Flood pool area, 304 acres with volume of 2,775 acre-feet.

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	.95	2.0	34	3.0	2.2	2.4	17	.83	1.8	3.0	.76
2	1.1	1.3	2.2	125	2.4	72	2.2	12	.73	1.4	1.8	.76
3	1.1	2.2	7.3	122	2.0	25	3.0	8.5	.73	1.3	1.3	.78
4	.95	1.8	5.1	129	1.8	25	22	5.1	.56	3.5	.83	1.1
5	.95	1.4	3.5	128	1.8	34	9.7	3.0	.56	4.0	.83	1.1
6	1.1	1.3	9.7	126	3.5	14	4.6	2.2	.56	2.0	.73	1.4
7	1.1	1.4	14	120	4.6	21	4.0	22	.56	1.4	.64	1.3
8	1.1	1.4	5.7	30	3.0	129	2.7	87	.56	1.1	.56	1.3
9	.95	1.4	3.0	12	2.2	128	2.2	23	.56	.95	.64	2.2
10	.95	1.4	3.5	11	2.0	125	2.0	10	.83	.95	1.6	1.8
11	.83	1.4	2.4	7.9	2.0	114	2.0	5.7	1.3	.83	1.4	1.4
12	.83	1.4	69	5.1	2.0	27	2.0	4.0	.95	.83	1.1	1.3
13	.83	1.4	45	3.5	2.2	9.7	1.8	5.1	.83	.73	.95	.95
14	.83	1.4	13	2.4	2.2	5.7	1.6	3.0	.83	.73	.83	.95
15	.95	1.4	13	1.8	1.8	4.6	2.7	2.2	3.0	.73	.83	.83
16	.95	1.4	7.9	1.4	1.8	121	113	1.8	3.0	.64	.73	.83
17	.95	1.4	5.7	1.4	1.8	48	27	3.0	1.6	.64	.73	10
18	.95	1.6	3.5	1.6	1.6	16	9.1	2.4	1.1	.56	.73	16
19	.95	2.2	2.4	1.8	1.3	7.9	4.0	1.8	.95	.49	.64	4.6
20	.95	2.0	2.4	1.8	1.3	5.1	2.2	1.4	.83	.49	.64	2.0
21	.95	1.6	2.2	1.8	1.3	4.0	5.1	1.1	1.4	.49	.64	1.3
22	.95	.95	2.0	1.8	2.2	3.5	15	.95	.95	.49	.64	1.1
23	.95	.83	1.8	1.8	3.0	2.4	6.2	.95	.83	.43	.64	4.6
24	1.3	.83	1.8	1.8	2.2	2.2	2.4	2.7	.73	30	.83	7.9
25	1.3	.83	1.8	1.4	2.2	2.4	1.8	4.0	1.1	27	1.2	2.7
26	1.3	.83	1.8	1.3	1.8	2.4	1.6	2.0	1.6	6.8	1.3	1.8
27	1.1	.95	1.8	1.3	1.8	2.4	1.4	1.6	1.4	2.2	1.1	1.4
28	.95	1.6	1.8	3.5	1.6	3.5	1.4	1.1	2.7	1.3	.95	1.3
29	.95	2.4	1.8	5.7	1.6	16	108	1.1	2.7	87	.83	1.3
30	.95	2.2	2.4	7.9	------	7.3	56	.83	2.0	35	.80	1.8
31	.95	------	2.7	4.6	------	4.0	------	.83	------	8.5	.78	------
TOTAL	31.27	43.17	242.2	898.6	62.0	984.3	419.1	237.36	36.28	224.28	30.22	76.56
MEAN	1.01	1.44	7.81	29.0	2.14	31.8	14.0	7.66	1.21	7.23	.97	2.55
MAX	1.3	2.4	69	129	4.6	129	113	87	3.0	87	3.0	16
MIN	.83	.83	1.8	1.3	1.3	2.2	1.4	.83	.56	.43	.56	.76
CFSM	.10	.14	.74	2.76	.20	3.03	1.33	.73	.12	.69	.09	.24
IN.	.11	.15	.86	3.18	.22	3.49	1.48	.84	.13	.79	.11	.27

CAL YR 1971 TOTAL 5,669.24 MEAN 15.5 MAX 133 MIN .20 CFSM 1.48 IN 20.09
WTR YR 1972 TOTAL 3,285.34 MEAN 8.98 MAX 129 MIN .43 CFSM .86 IN 11.64

07287000 Yazoo River at Greenwood, Miss.

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw meridian, Leflore County, on left bank 110 ft downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mile downstream from Palusha Bayou, 3 miles downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mile 170.8.

DRAINAGE AREA.--7,450 sq mi, approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to current year in reports of Geological Survey. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964, in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft above mean sea level. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft upstream at various datums.

AVERAGE DISCHARGE.--50 years (1907-12, 1927-72), 9,747 cfs (17.77 inches per year), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 19,600 cfs Jan. 6, 7; maximum gage height, 29.93 ft Jan. 6, 7; minimum daily discharge, 2,250 cfs June 5 (gage height, 11.84 ft).

Period of record: Maximum discharge, 72,900 cfs Jan. 19, 1932 (gage height, 40.10 ft); minimum, 536 cfs Oct. 20, 1943; minimum gage height observed, 1.0 ft Oct. 17, 1908, present datum.

Maximum stage known, 41.2 ft in 1882, caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), Arkabutla Lake on Coldwater River (see sta 07278000), and Grenada Lake on Yalobusha River (see sta 07284500).

COOPERATION.--Fifty-two discharge measurements and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,900	4,420	3,310	2,920	8,940	4,370	4,990	10,700	3,340	4,640	8,490	7,950
2	7,700	4,270	2,970	10,400	8,700	6,580	4,410	9,520	3,000	5,080	8,730	7,900
3	7,330	4,220	2,950	13,500	8,420	8,160	4,130	8,980	2,580	5,160	8,580	7,960
4	7,250	4,130	2,950	18,000	8,210	8,370	4,080	8,300	2,330	7,080	8,410	7,960
5	7,630	4,080	2,900	19,000	7,960	8,280	4,730	6,990	2,250	7,800	8,340	8,040
6	7,950	3,990	2,900	19,600	7,760	8,190	4,910	5,830	2,290	7,710	8,420	8,130
7	8,270	3,780	3,190	19,600	7,590	7,770	4,840	5,460	2,310	7,290	8,580	8,010
8	9,100	3,970	3,130	18,700	7,540	8,830	4,680	8,270	2,310	7,030	8,670	7,870
9	9,460	3,970	2,750	17,500	7,460	10,400	4,640	11,200	2,300	6,240	8,770	7,590
10	9,360	3,950	2,570	17,300	7,320	10,700	4,370	11,700	2,460	5,800	9,150	7,390
11	9,160	3,920	2,610	16,300	7,170	9,120	4,090	10,700	2,560	5,450	9,440	7,220
12	8,710	3,890	2,930	15,300	6,800	7,940	3,870	8,950	2,760	5,590	9,550	7,000
13	8,770	3,850	4,440	13,800	6,170	6,830	3,680	7,170	2,880	5,640	9,790	6,950
14	8,580	3,810	5,200	12,000	5,710	6,060	3,380	5,870	2,940	5,300	9,130	6,840
15	8,240	3,780	4,810	10,600	5,390	5,540	2,990	4,720	3,400	4,870	8,230	6,680
16	7,660	3,740	4,880	9,370	5,250	5,960	3,910	3,920	4,280	4,500	8,090	6,560
17	6,820	3,780	6,000	8,260	5,160	7,140	4,910	3,530	5,200	4,250	8,320	6,540
18	6,480	3,790	6,410	7,260	5,050	7,650	4,970	3,280	5,190	4,100	8,400	7,050
19	6,250	3,810	5,840	6,400	4,930	7,240	4,370	3,180	4,630	3,950	8,400	7,510
20	6,110	3,790	5,050	5,850	4,810	6,530	3,820	2,910	4,140	3,830	8,340	7,620
21	5,990	3,730	4,310	5,550	4,730	5,950	4,330	2,880	4,060	3,690	8,300	7,060
22	5,880	3,650	3,830	5,800	4,680	5,460	6,210	2,780	3,920	3,940	8,260	6,870
23	5,600	3,590	3,480	6,310	4,690	5,040	7,410	2,690	3,620	5,020	8,240	6,630
24	5,840	3,590	3,140	6,600	4,680	4,640	7,580	2,620	3,420	6,310	8,290	6,890
25	5,820	3,580	3,040	6,740	4,580	4,420	7,550	2,630	3,390	6,930	8,300	7,450
26	5,750	3,570	2,990	6,940	4,500	4,420	6,000	2,690	3,450	6,850	8,410	7,350
27	5,640	3,540	2,930	6,880	4,420	4,600	4,270	2,610	3,500	6,800	8,360	7,650
28	5,550	3,520	2,880	6,790	4,320	4,900	3,380	2,540	3,590	6,760	8,170	6,420
29	5,380	3,530	2,830	7,260	4,200	6,390	6,040	2,640	3,880	7,700	8,050	6,110
30	5,040	3,500	2,800	8,190	------	6,290	9,760	2,840	4,500	8,280	8,000	6,690
31	4,650	------	2,720	8,850	------	5,740	------	3,040	------	8,270	7,990	------
TOTAL	219,870	114,710	112,740	337,570	177,140	209,510	148,300	171,140	100,480	181,860	264,200	217,890
MEAN	7,093	3,824	3,637	10,890	6,108	6,758	4,943	5,521	3,349	5,866	8,523	7,263
MAX	9,460	4,420	6,410	19,600	8,940	10,700	9,760	11,700	5,200	8,280	9,790	8,130
MIN	4,650	3,500	2,570	2,920	4,200	4,370	2,990	2,540	2,250	3,690	7,990	6,110

CAL YR 1971 TOTAL 3,442,910 MEAN 9,433 MAX 20,300 MIN 2,570 (†) -101
WTR YR 1972 TOTAL 2,255,410 MEAN 6,162 MAX 19,600 MIN 2,250 (†) 159

†Change in contents, equivalent in cubic feet per second, in Sardis, Enid, Arkabutla, and Grenada Lakes (see stas 07272000, 07274500, 07278000, and 07284500).

07288500 Sunflower River at Sunflower, Miss.

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw meridian, Sunflower County, near right bank on downstream side of highway bridge, 0.5 mile northwest of Sunflower, 2.5 miles downstream from Jones Bayou, and 19 miles upstream from Quiver River.

DRAINAGE AREA.--767 sq mi.

PERIOD OF RECORD.--October 1935 to current year in reports of Geological Survey. Prior to October 1938 monthly discharge only, published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft above mean sea level (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

AVERAGE DISCHARGE.--37 years, 959 cfs (16.98 inches per year).

EXTREMES.--Current year: Maximum daily discharge, 8,180 cfs Jan. 5; maximum gage height, 22.79 ft Jan. 5; minimum daily discharge, 96 cfs Nov. 8, 16-17; minimum gage height, 1.30 ft Nov. 17.

Period of record: Maximum discharge, 11,700 cfs Apr. 28, 1964; maximum gage height, 28.31 ft May 5, 1958; minimum discharge, 81 cfs Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft Oct. 15, 1967.

REMARKS.--Diversion for irrigation of about 5,000 acres and withdrawal of an average of about 6 cfs for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Twenty-five discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	110	114	309	1,330	138	346	1,100	323	254	562	138
2	118	110	118	2,500	1,150	248	274	1,000	288	267	616	130
3	118	103	142	4,810	880	690	242	858	242	281	598	122
4	122	100	170	7,070	634	1,000	218	690	206	526	526	126
5	126	100	180	8,180	474	1,100	230	544	185	616	410	138
6	122	100	206	8,090	370	1,300	295	442	170	652	309	146
7	118	100	316	6,600	309	1,410	316	458	165	634	248	180
8	118	96	323	5,270	281	1,670	288	598	155	544	195	195
9	114	100	274	4,100	274	1,920	248	474	155	426	185	185
10	110	103	248	3,600	242	1,720	212	354	160	316	236	160
11	106	103	248	3,210	212	1,350	190	309	165	236	309	138
12	103	103	490	2,700	195	976	175	260	165	195	302	126
13	103	103	1,330	2,190	185	690	170	248	175	218	330	118
14	103	106	1,460	1,690	170	508	165	224	170	195	338	114
15	103	103	1,810	1,260	165	386	281	190	224	170	260	106
16	106	96	2,120	930	160	346	690	170	410	150	200	103
17	106	96	2,190	690	160	394	1,150	165	670	142	165	103
18	106	103	1,950	526	160	598	928	165	836	142	126	110
19	106	118	1,560	426	155	670	690	150	770	134	130	103
20	106	118	1,120	362	150	616	508	138	616	126	126	100
21	110	122	770	330	146	526	394	134	458	126	126	103
22	110	122	526	309	146	442	330	130	338	122	122	110
23	106	118	370	288	142	346	236	126	248	122	118	114
24	110	118	274	274	142	295	330	122	206	130	130	114
25	110	114	224	267	142	274	508	118	206	142	180	110
26	110	110	190	248	142	254	474	118	175	155	236	106
27	110	110	170	236	138	236	362	118	185	160	274	103
28	110	110	160	248	134	260	267	122	218	180	267	100
29	106	114	150	309	134	616	652	118	230	402	218	100
30	106	118	150	730	------	598	1,170	114	236	490	175	106
31	110	------	160	1,200	------	442	------	248	------	526	150	------
TOTAL	3,430	3,227	19,513	68,952	8,922	22,019	12,339	10,005	8,750	8,779	8,167	3,707
MEAN	111	108	629	2,224	308	710	411	323	292	283	263	124
MAX	126	122	2,190	8,180	1,330	1,920	1,170	1,100	836	652	616	195
MIN	103	96	114	236	134	138	165	114	155	122	118	100
CFSM	.14	.14	.82	2.90	.40	.93	.54	.42	.38	.37	.34	.16
IN.	.17	.16	.95	3.34	.43	1.07	.60	.49	.42	.43	.40	.18

CAL YR 1971 TOTAL 338,448 MEAN 927 MAX 7,070 MIN 96 CFSM 1.21 IN 16.41
WTR YR 1972 TOTAL 177,810 MEAN 486 MAX 8,180 MIN 96 CFSM .63 IN 8.62

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg. 1.5 miles downstream from Yazoo diversion canal and at mile 430.4.

DRAINAGE AREA.--1,144,500 sq mi, approximately.

PERIOD OF RECORD.--Discharge: January 1928 to current year. Prior to July 1931, monthly discharge only, published in WSP 1311.
Gage heights: April 1930 to current year in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 miles upstream in reports of Corps of Engineers. Since May 1873, in reports of U.S. Weather Bureau.
Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

GAGE.--Water-stage recorder (bridge gage) maintained by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 miles upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft above mean sea level (Corps of Engineers bench mark) or 46.16 ft above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 miles upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft upstream from mouth. Gages used by U.S. Weather Bureau: May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mile upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 miles upstream.
All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--44 years, 552,600 cfs (400,400,000 acre-ft per year).

EXTREMES.--Current year: Maximum daily discharge, 1,147,000 cfs May 8; maximum gage height, 37.34 ft May 13, at bridge gage, 38.85 ft at supplementary recorder; minimum daily discharge, 208,000 cfs Oct. 20, minimum gage height, 3.85 ft Oct. 21 at supplementary recorder.
Period of record: Maximum discharge, 2,080,000 cfs Feb. 17, 1937; maximum gage height, 53.2 ft Feb. 21, 1937; minimum discharge, 99,400 cfs Nov. 1, 1939; minimum gage height, -7.02 ft Feb. 3, 1940 (ice jam above).
Maximum stage known since at least 1871, 58.4 ft (Corps of Engineers gage on Yazoo diversion canal), approximately 56.0 ft May 4, 1927 (Geological Survey gage).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record, ninety-six discharge measurements, and records of daily discharge furnished by Corps of Engineers; Gage-height records obtained and records reviewed by Geological Survey.

REVISIONS.--WSP 747: Drainage area.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.80	6.00	6.70	21.40	20.80	19.70	27.10	35.30	23.80	14.60	13.40	12.00
2	8.00	6.60	6.80	21.00	20.80	20.20	27.00	36.00	22.20	14.60	13.00	11.20
3	7.30	7.10	6.90	20.50	21.00	21.00	26.80	36.50	20.70	15.00	13.40	10.50
4	7.00	7.60	6.90	20.30	21.40	21.90	26.60	36.90	19.30	16.00	13.80	10.10
5	6.90	7.50	7.00	20.00	21.60	23.20	26.30	37.40	17.90	17.30	14.20	9.80
6	7.10	7.00	7.60	19.60	21.60	24.20	25.90	37.80	16.50	18.80	14.60	9.70
7	7.40	6.40	8.10	19.50	21.80	25.30	25.40	38.20	15.50	19.90	14.80	9.60
8	7.60	5.70	8.60	20.00	21.60	26.50	24.90	38.40	14.80	20.60	14.90	9.40
9	7.40	5.30	9.20	21.10	21.30	27.60	24.20	38.60	14.30	21.30	15.00	9.10
10	6.90	5.40	10.10	22.80	20.90	28.60	23.30	38.60	13.90	21.60	15.40	8.90
11	6.30	5.80	11.00	24.20	20.40	29.40	22.30	38.70	13.50	21.30	15.70	8.80
12	5.60	6.40	13.00	25.10	20.00	30.00	21.40	38.70	13.10	20.50	15.60	8.60
13	5.20	7.20	17.00	26.00	19.40	30.50	20.70	38.80	12.50	19.50	15.60	8.40
14	5.20	8.00	19.60	26.50	18.90	30.70	20.30	38.70	12.00	18.50	15.80	8.50
15	5.10	8.60	21.50	27.10	18.10	30.90	20.30	38.60	11.70	17.50	15.90	8.50
16	5.00	8.40	22.40	27.60	17.30	31.00	20.70	38.20	11.70	16.70	16.00	8.50
17	4.70	8.60	23.30	28.00	16.60	31.10	21.40	37.90	11.50	16.20	15.70	8.40
18	4.30	8.10	24.20	28.30	15.80	31.00	22.20	37.40	11.00	15.50	15.30	8.40
19	4.00	7.70	25.10	28.30	15.00	31.00	23.40	37.00	10.60	14.90	14.80	8.50
20	3.90	7.40	26.00	28.20	14.40	30.70	24.80	36.60	10.40	14.80	14.50	8.50
21	3.80	7.40	26.70	28.00	14.10	30.60	26.40	36.00	10.50	14.70	14.20	8.90
22	4.00	7.30	27.10	27.60	14.40	30.40	27.80	35.40	10.80	14.70	13.90	9.40
23	4.00	7.20	27.30	27.00	15.20	30.10	29.00	34.80	11.30	14.60	13.70	10.20
24	4.40	7.00	27.40	26.50	16.50	29.90	30.20	34.00	12.00	14.70	13.60	10.90
25	4.50	6.80	27.40	25.60	17.80	29.50	31.20	33.20	12.90	14.70	13.80	11.70
26	4.70	6.60	27.10	24.40	19.00	29.10	32.00	32.30	13.70	14.50	13.60	12.40
27	5.20	6.60	26.40	23.20	19.40	28.70	32.70	31.40	14.20	14.40	13.40	12.80
28	5.80	6.40	25.40	22.00	19.60	28.30	33.30	30.20	14.40	14.30	13.50	12.90
29	6.00	6.30	24.40	21.10	19.60	28.00	33.90	28.70	14.70	14.20	13.40	12.80
30	5.80	6.40	23.50	20.60	------	27.60	34.60	27.70	14.70	14.10	13.20	12.50
31	5.70	------	22.40	20.40	------	27.40	------	25.50	------	13.80	12.80	------

NOTE.--Gage heights based on records of supplementary recorder.

07289000 Mississippi River at Vicksburg, Miss.--Continued

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	301	272	289	600	582	583	756	1,039	600	434	390	366
2	295	288	291	584	588	597	753	1,063	566	435	386	351
3	289	299	295	561	603	619	746	1,083	529	449	392	339
4	282	307	295	562	611	653	739	1,105	496	481	402	328
5	279	299	300	554	621	694	727	1,125	459	521	413	327
6	283	283	309	554	637	732	714	1,136	435	553	417	325
7	289	269	320	566	640	760	698	1,142	417	569	420	322
8	293	256	331	589	628	796	686	1,147	407	591	426	321
9	284	249	342	633	618	827	669	1,143	398	592	440	317
10	273	251	355	677	603	852	650	1,146	391	600	454	315
11	265	260	367	708	587	876	620	1,143	386	577	457	314
12	259	273	464	734	575	894	591	1,145	373	546	451	309
13	258	289	558	755	563	904	573	1,136	362	527	454	306
14	256	303	614	771	544	908	565	1,125	354	502	453	306
15	253	322	670	793	523	908	566	1,110	352	478	456	305
16	250	329	688	818	510	908	586	1,101	351	464	450	305
17	246	321	701	834	495	909	606	1,080	340	453	440	303
18	237	310	721	834	481	902	630	1,069	332	433	430	306
19	220	304	741	831	463	895	669	1,053	326	424	425	307
20	208	300	762	821	449	885	712	1,022	325	422	419	310
21	210	300	780	807	449	877	754	992	331	420	416	322
22	217	295	793	787	460	866	800	966	338	417	411	335
23	220	292	805	769	487	852	842	942	350	413	412	350
24	225	290	817	745	522	835	879	915	373	414	414	366
25	229	288	811	706	552	823	905	892	397	415	412	382
26	235	287	795	666	570	807	933	861	412	416	406	393
27	249	284	757	626	577	794	952	827	426	418	400	396
28	253	283	721	595	577	784	969	781	437	420	402	394
29	256	281	685	577	581	773	995	732	444	416	398	389
30	251	284	648	571	------	765	1,019	682	437	411	396	386
31	257	------	608	576	------	760	------	639	------	405	386	------
TOTAL	7,922	8,668	17,633	21,204	16,096	25,038	22,305	31,342	12,144	14,616	13,028	10,095
MEAN	256	289	569	684	555	808	744	1,011	405	471	420	337
MAX	301	329	817	834	640	904	1,019	1,147	600	600	457	396
MIN	208	249	289	554	449	583	565	639	325	405	386	303
AC-FT	15,710	17,190	34,980	42,060	31,930	49,660	44,240	62,170	24,090	28,990	25,840	20,020

CAL YR 1971 TOTAL 190,322 MEAN 521.4 MAX 1,317 MIN 208.0 AC-FT 377,500
WTR YR 1972 TOTAL 200,091 MEAN 546.7 MAX 1,147 MIN 208.0 AC-FT 396,900

NOTE.--Discharge computed from records of supplementary recorder.

07289350 Big Black River at West, Miss.

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw meridian, Attala County, on downstream side of bridge on State Highway 19, 0.2 mile east of West, 5.2 miles upstream from Jordon Creek, and 7.1 miles downstream from Zilpha Creek.

DRAINAGE AREA.--985 sq mi.

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft above mean sea level. Prior to June 10, 1948, nonrecording gage and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft downstream at same datum.

EXTREMES.--September 1971: Maximum discharge during period, 696 cfs Sept. 1 (gage height, 6.85 ft); minimum, 74 cfs Sept. 16 (gage height, 1.76 ft).

Water year 1972: Maximum discharge, 33,800 cfs Jan. 5 (gage height, 23.08 ft); minimum, 40 cfs Sept. 16 (gage height, 1.12 ft).

Period of record: Maximum discharge, 33,800 cfs Jan. 5, 1972 (gage height, 23.08 ft); minimum discharge, 40 cfs Sept. 16, 1972 (gage height, 1.12 ft).

Flood of March 30, 1951, reached a stage of 24.09 ft (47,000 cfs). Minimum gage height observed, 0.38 ft Sept. 22, 23, 1956 (from reports of Corps of Engineers, Vicksburg district).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, 1971

DAY	SEP	DAY	SEP	DAY	SEP	DAY	SEP	DAY	SEP	DAY	SEP
1	537	6	183	11	99	16	90	21	156	26	102
2	408	7	150	12	94	17	300	22	132	27	98
3	312	8	130	13	90	18	330	23	120	28	92
4	372	9	116	14	84	19	330	24	110	29	92
5	307	10	114	15	78	20	214	25	106	30	92

TOTAL	5,438
MEAN	181
MAX	537
MIN	78
CFSM	.18
IN.	.21

PEAK DISCHARGE (BASE, 10,000 CFS).--NO PEAK ABOVE BASE.

(Daily table for complete year follows.)

07289350 Big Black River at West, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1	88	78	148	1,500	1,630	1,320	2,520	1,440	133	427	175	55
2	82	80	150	3,500	1,450	3,650	2,710	1,430	127	678	104	53
3	77	81	683	9,770	1,080	5,900	1,960	1,440	119	259	66	51
4	76	80	1,030	15,900	770	8,000	964	1,430	114	571	58	50
5	164	80	877	29,600	610	8,000	714	1,490	108	660	54	50
6	237	80	1,290	20,200	608	7,000	736	1,640	104	598	52	50
7	147	78	2,370	14,500	1,020	3,500	640	1,880	100	338	51	51
8	116	76	2,700	10,900	1,080	2,700	545	3,390	95	194	50	55
9	96	74	2,340	8,210	1,020	3,500	475	7,050	91	136	50	53
10	83	74	2,000	7,820	781	3,200	407	9,440	92	114	60	50
11	77	74	2,190	8,940	612	2,870	368	9,260	482	102	108	48
12	75	75	2,320	6,640	562	3,140	349	7,640	222	94	162	45
13	73	76	2,090	6,460	632	3,440	337	6,300	138	484	597	44
14	70	77	1,750	7,000	668	2,990	317	4,680	110	656	691	42
15	70	78	1,580	5,660	618	1,750	294	3,370	153	318	342	41
16	70	78	1,610	3,850	534	1,090	393	2,320	537	217	166	41
17	70	78	2,450	2,940	494	1,030	744	1,050	503	184	106	44
18	70	81	4,610	1,640	572	696	670	677	349	219	82	58
19	69	101	4,840	874	649	725	442	576	211	192	72	137
20	68	158	3,840	734	573	612	417	444	162	137	66	213
21	67	215	4,200	680	492	541	267	351	125	110	60	140
22	66	155	3,840	631	434	499	621	289	108	91	58	96
23	67	117	3,000	594	445	470	998	247	102	81	56	111
24	90	104	1,570	556	512	424	1,210	225	94	82	77	119
25	137	102	1,100	519	520	427	1,400	224	97	90	124	86
26	262	103	760	472	542	601	1,540	200	159	86	98	68
27	156	103	600	424	710	741	1,080	182	166	86	80	90
28	110	105	550	411	810	1,070	434	168	219	93	70	84
29	91	118	520	682	668	1,830	794	154	171	94	66	86
30	83	150	600	1,650	------	2,380	1,620	143	138	202	61	166
31	79	------	720	1,830	------	2,380	------	137	------	163	58	------
TOTAL	3,086	2,929	58,318	175,547	21,100	76,676	25,966	69,267	5,249	7,758	3,912	2,277
MEAN	99.5	97.6	1,881	5,663	728	2,473	866	2,234	175	250	126	75.9
MAX	262	215	4,840	29,600	1,630	8,000	2,710	9,440	537	678	691	213
MIN	66	74	148	411	434	424	267	137	91	81	50	41
CFSM	.10	.10	1.91	5.75	.74	2.51	.88	2.27	.18	.25	.13	.08
IN.	.12	.11	2.20	6.63	.80	2.90	.98	2.62	.20	.29	.15	.09

WTR YR 1972 TOTAL 452,085 MEAN 1,235 MAX 29,600 MIN 41 CFSM 1.25 IN 17.07

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-05	0400	23.08	33,800				

07290000 Big Black River near Bovina, Miss.

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington meridian, Hinds County, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft upstream from Clear Creek, 0.4 mile upstream from Illinois Central Railroad bridge, 2 miles east of Bovina, 12 miles upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 sq mi, approximately, includes that of Clear Creek.

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above mean sea level, or 85.00 ft above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 3,352 cfs (16.20 inches per year).

EXTREMES.--Current year: Maximum discharge, 38,100 cfs Jan. 14 (gage height, 38.84 ft); minimum, 207 cfs Sept. 18 (gage height, 6.76 ft).

Period of record: Maximum discharge, 63,500 cfs Dec. 20, 1961 (gage height, 40.53 ft); minimum, 65 cfs Oct. 2, 1954 (gage height, 5.98 ft).

From information by local residents, floods at Askews Bridge, 6 miles upstream, reached elevations above mean sea level as follows: Dec. 20, 1961, 139.2 ft; in 1912 and in January 1927, 139 ft; Apr. 1, 1951, 138.5 ft. A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WRD Miss. 1968: 1966-67.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	336	338	235	1,550	6,930	1,630	6,210	1,950	740	596	466	288
2	327	308	270	3,750	6,970	5,120	5,520	3,930	704	984	465	261
3	317	278	1,150	6,130	6,900	8,080	4,700	4,750	646	1,320	496	256
4	307	257	1,830	9,160	6,750	8,800	4,440	4,540	608	1,780	477	245
5	327	241	2,280	10,100	6,560	9,250	4,430	4,540	580	2,090	433	309
6	300	233	5,700	10,400	6,460	9,460	4,180	4,360	560	1,650	408	256
7	284	229	8,490	11,300	8,870	9,540	3,700	4,180	540	1,190	373	235
8	278	226	8,560	13,800	8,840	10,400	2,740	4,720	520	1,120	340	228
9	279	233	8,240	17,700	8,770	10,900	2,090	6,380	504	1,100	309	226
10	298	229	7,950	25,300	8,740	11,000	1,830	6,710	489	1,010	294	226
11	347	224	7,620	30,800	8,590	10,900	1,620	6,690	476	944	277	230
12	333	220	7,330	34,800	8,430	10,500	1,450	6,510	458	696	283	230
13	305	221	7,300	37,000	8,490	10,100	1,320	6,710	451	1,030	473	256
14	283	222	7,320	37,400	8,080	9,860	1,210	6,840	477	732	716	248
15	270	220	7,220	35,000	6,350	9,770	1,140	6,930	768	720	704	228
16	262	223	7,370	30,000	4,140	10,100	1,420	6,920	980	692	544	218
17	256	221	7,460	25,500	2,860	9,990	1,840	6,750	1,010	588	612	211
18	253	225	7,580	21,800	3,240	9,450	2,130	6,640	996	824	808	207
19	248	250	7,470	18,200	4,430	8,730	2,130	6,670	875	776	708	233
20	242	249	7,160	15,500	5,050	7,480	1,850	6,780	916	668	576	235
21	237	244	6,830	13,100	5,130	5,020	1,600	6,830	944	556	466	350
22	234	267	6,570	11,400	4,460	3,060	1,420	5,630	864	504	397	500
23	234	334	6,450	10,200	3,080	2,240	1,210	2,730	720	500	359	932
24	279	349	6,360	9,060	2,280	1,920	1,260	1,490	616	516	492	1,050
25	319	319	6,120	6,630	1,950	1,730	1,150	1,220	560	728	548	840
26	322	314	5,600	3,540	1,770	1,620	1,290	1,080	524	684	744	740
27	335	300	4,920	2,230	1,660	1,500	1,590	972	481	548	481	732
28	324	270	3,620	1,880	1,600	2,410	1,840	896	496	528	394	1,410
29	309	254	2,050	1,810	1,540	4,840	2,080	864	648	656	330	1,020
30	312	240	1,470	4,030	------	6,130	2,120	836	732	516	318	1,290
31	354	------	1,460	6,410	------	6,310	------	796	------	412	312	------
TOTAL	9,111	7,740	170,005	465,480	158,910	217,860	71,510	136,844	19,883	26,558	14,623	13,690
MEAN	294	258	5,484	15,020	5,480	7,028	2,384	4,414	663	857	472	456
MAX	354	349	8,560	37,400	8,870	11,000	6,210	6,930	1,010	2,090	808	1,410
MIN	234	220	235	1,550	1,540	1,500	1,140	796	451	412	277	207
CFSM	.10	.09	1.95	5.35	1.95	2.50	.85	1.57	.24	.31	.17	.16
IN.	.12	.10	2.25	6.16	2.10	2.88	.95	1.81	.26	.35	.19	.18

CAL YR 1971 TOTAL 1,696,711 MEAN 4,649 MAX 27,600 MIN 220 CFSM 1.65 IN 22.46
WTR YR 1972 TOTAL 1,312,214 MEAN 3,585 MAX 37,400 MIN 207 CFSM 1.28 IN 17.37

07290650 Bayou Pierre near Willows, Miss.

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington meridian, Claiborne County, near right bank at downstream side of bridge on county highway, 1.4 miles upstream from South Fork Bayou Pierre, and 1.7 miles southeast of Willows.

DRAINAGE AREA.--653 sq mi.

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--11 years (1961-72), 680 cfs (14.14 inches per year).

EXTREMES.--Current year: Maximum discharge, 31,900 cfs Dec. 7 (gage height, 25.80 ft); minimum daily, 29 cfs, Sept. 14-16.
Period of record: Maximum discharge, 31,900 cfs Dec. 7, 1971 (gage height, 25.80 ft); maximum gage height, 27.42 ft Oct. 5, 1964; minimum discharge, 19 cfs Oct, 6, 1969; minimum gage height, 2.17 ft Nov. 4, 5, 6, 1971.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	44	70	560	3,170	320	578	154	72	410	197	40
2	58	44	125	4,420	1,700	10,600	460	2,700	70	186	151	40
3	57	39	2,540	2,470	975	5,730	393	1,630	68	445	121	38
4	56	32	1,230	6,800	725	2,540	3,350	496	66	1,300	84	38
5	60	32	897	6,370	584	1,200	1,230	293	65	396	71	38
6	90	33	17,700	3,200	1,970	767	600	212	64	191	66	37
7	100	35	29,400	1,730	7,450	623	460	283	63	125	60	34
8	86	38	9,210	870	1,700	3,440	373	1,700	65	95	52	33
9	74	43	2,300	767	933	2,000	310	806	66	60	50	32
10	61	53	1,010	10,300	689	995	283	393	63	74	50	31
11	55	56	933	7,530	574	657	268	239	65	69	47	31
12	52	52	760	3,450	1,230	535	253	225	62	72	47	30
13	52	49	1,190	1,760	2,020	460	237	578	62	108	116	30
14	52	51	846	1,000	1,110	417	216	706	67	288	87	29
15	56	49	692	729	685	396	201	351	92	158	71	29
16	61	45	1,330	581	577	2,500	1,140	275	244	116	121	29
17	56	41	1,630	522	522	1,310	710	191	237	307	84	92
18	52	46	1,600	475	1,530	706	403	166	180	278	74	72
19	56	116	1,240	437	947	506	246	151	121	130	62	45
20	57	135	850	915	567	403	212	145	113	166	54	42
21	56	88	1,260	1,480	458	503	195	130	302	108	50	39
22	58	68	862	1,060	415	634	186	115	106	72	45	96
23	57	69	526	884	383	492	191	107	93	66	42	54
24	53	68	418	613	355	364	241	100	77	65	80	45
25	53	69	358	468	337	351	170	94	174	62	270	38
26	53	64	320	383	318	321	154	89	195	89	115	62
27	52	69	299	340	307	288	149	85	104	191	77	232
28	47	71	284	320	294	5,990	145	81	75	140	61	172
29	46	71	352	574	276	3,850	143	78	406	2,710	49	106
30	46	69	340	10,200	------	1,580	143	76	975	1,070	51	190
31	44	------	834	7,160	------	866	------	74	------	965	43	------
TOTAL	1,816	1,739	81,406	78,368	32,801	51,344	13,640	12,723	4,412	10,512	2,548	1,824
MEAN	58.6	58.0	2,626	2,528	1,131	1,656	455	410	147	339	82.2	60.8
MAX	100	135	29,400	10,300	7,450	10,600	3,350	2,700	975	2,710	270	232
MIN	44	32	70	320	276	288	143	74	62	62	42	29
CFSM	.09	.09	4.02	3.87	1.73	2.54	.70	.63	.23	.52	.13	.09
IN.	.10	.10	4.64	4.46	1.87	2.92	.78	.72	.25	.60	.15	.10

CAL YR 1971 TOTAL 306,736 MEAN 840 MAX 29,400 MIN 32 CFSM 1.29 IN 17.47
WTR YR 1972 TOTAL 293,133 MEAN 801 MAX 29,400 MIN 29 CFSM 1.23 IN 16.70

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	1130	25.80	31,900	03-02	1900	20.17	17,000

07291000 Homochitto River at Eddiceton, Miss.

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington meridian, Franklin County, on left bank at upstream side of Mississippi Central Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.4 mile upstream from McCall Creek, and 0.8 mile east of Eddiceton.

DRAINAGE AREA.--180 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft above mean sea level. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream at present datum.

AVERAGE DISCHARGE.--34 years, 242 cfs (18.26 inches per year).

EXTREMES.--Current year: Maximum discharge, 27,900 cfs Dec. 6 (gage height, 16.31 ft); minimum daily, 31 cfs June 28-29.
Period of record: Maximum discharge, 30,900 cfs Mar. 29, 1939; maximum gage height, 16.82 ft Oct. 4, 1964; minimum discharge, 26 cfs Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 cfs Sept. 2, 4, 1954, Sept. 29, 1956.

REMARKS.--Records fair except those for period of doubtful or no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1281: 1939-40, 1942-44, 1949-50.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	46	61	140	475	144	184	64	43	129	70	33
2	55	46	652	1,400	372	2,470	158	77	45	47	54	38
3	47	45	2,570	500	312	588	145	125	43	40	50	34
4	47	45	296	2,000	264	309	131	80	42	45	47	33
5	59	44	691	1,100	243	258	125	66	41	43	45	33
6	59	43	21,100	490	318	226	123	63	42	40	42	33
7	51	43	3,330	333	663	222	119	95	46	38	40	33
8	48	43	552	276	312	712	112	258	51	37	38	34
9	47	43	336	958	264	388	103	143	42	35	39	35
10	47	47	279	9,050	238	243	100	95	43	34	45	41
11	47	46	255	1,370	222	200	99	80	41	35	37	42
12	46	45	226	558	600	180	97	205	41	100	40	40
13	45	45	232	357	470	160	92	345	41	110	296	36
14	44	45	228	270	282	140	89	161	45	80	83	36
15	46	44	663	222	252	130	84	112	59	45	61	40
16	47	44	420	200	234	285	302	84	57	35	50	50
17	52	40	796	190	226	252	143	76	51	60	45	38
18	61	44	712	184	228	200	92	70	48	35	40	37
19	56	95	288	174	224	175	78	64	39	34	37	36
20	54	72	719	400	216	160	74	60	36	34	35	36
21	52	54	388	318	172	354	76	57	35	35	34	40
22	51	48	230	234	150	282	234	60	45	35	34	33
23	49	49	190	206	140	192	109	57	51	34	40	50
24	48	59	170	186	130	168	83	56	36	40	70	41
25	48	58	150	168	120	158	73	55	34	60	60	44
26	48	56	140	153	115	146	67	52	42	80	40	45
27	48	54	130	148	120	145	66	50	34	100	37	50
28	48	49	128	150	109	1,310	66	51	31	70	35	90
29	47	54	140	400	115	919	67	51	31	60	34	60
30	47	52	200	3,990	------	369	66	48	34	50	34	50
31	46	------	160	1,320	------	237	------	46	------	60	34	------
TOTAL	1,557	1,498	36,432	27,445	7,586	11,722	3,357	2,906	1,269	1,680	1,646	1,241
MEAN	50.2	49.9	1,175	885	262	378	112	93.7	42.3	54.2	53.1	41.4
MAX	67	95	21,100	9,050	663	2,470	302	345	59	129	296	90
MIN	44	40	61	140	109	130	66	46	31	34	34	33
CFSM	.28	.28	6.53	4.92	1.46	2.10	.62	.52	.24	.30	.30	.23
IN.	.32	.31	7.53	5.67	1.57	2.42	.69	.60	.26	.35	.34	.26

CAL YR 1971 TOTAL 104,458 MEAN 286 MAX 21,100 MIN 40 CFSM 1.59 IN 21.54
WTR YR 1972 TOTAL 98,337 MEAN 269 MAX 21,100 MIN 31 CFSM 1.49 IN 20.32

PEAK DISCHARGE (BASE, 9,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-06	1A15	16.31	27,900	01-10	0430	12.42	17,400

NOTE.--Doubtful or no gage-height record July 3 to Aug. 12 and Aug. 16 to Sept. 30.

07292500 Homochitto River at Rosetta, Miss.

LOCATION.--Lat 31°19'20", long 91°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, on downstream side of bridge on State Highway 33 at Rosetta, 800 ft downstream from Illinois Central Railroad bridge, 1 mile downstream from Foster Creek, and 5 miles upstream from Dry Creek.

DRAINAGE AREA.--750 sq mi, approximately.

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year in reports of Geological Survey. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Datum of gage is 94.39 ft above mean sea level. June 16 to Nov. 12, 1906, nonrecording gage at railroad bridge 800 ft upstream at different datum.

AVERAGE DISCHARGE.--21 years, 935 cfs (17.29 inches per year).

EXTREMES.--Current year: Maximum discharge, 130,000 cfs Dec. 6 (gage height, 27.60 ft); minimum daily, 188 cfs July 11.
Period of record: Maximum discharge, 141,000 cfs Oct. 4, 1964; maximum gage height, 36.03 ft May 4, 1953; minimum discharge, 129 cfs Sept. 22-25, 28-30, 1956.
Maximum stage since February 1949, 37.80 ft Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1731: 1955(M). WSP 1920: 1955.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	248	336	1,620	3,170	2,010	1,990	344	304	250	260	208
2	341	240	3,940	2,080	2,040	15,900	582	335	324	264	269	210
3	305	241	3,770	2,470	1,570	4,970	792	572	311	247	240	206
4	293	234	2,220	10,500	1,260	1,950	744	410	302	237	230	196
5	293	231	5,170	8,440	971	1,370	624	311	293	266	225	192
6	507	231	9,470	4,340	1,230	1,040	632	296	302	230	225	190
7	414	228	27,600	2,960	5,340	1,700	504	942	293	227	220	198
8	297	228	6,100	2,500	2,410	3,630	545	3,330	314	206	218	194
9	278	241	4,180	2,800	1,690	2,490	505	1,990	308	196	222	200
10	255	270	2,960	32,800	1,170	1,200	482	725	272	190	230	204
11	257	243	2,280	9,060	985	856	470	516	302	188	344	204
12	252	245	1,720	5,400	1,330	610	464	2,330	293	228	270	204
13	252	236	1,630	4,010	2,540	677	452	5,400	314	347	515	202
14	252	241	1,500	3,430	1,560	616	436	2,420	290	305	452	198
15	252	239	3,400	2,850	1,170	571	426	1,340	290	360	263	196
16	252	238	3,470	2,610	1,020	902	889	964	621	302	278	204
17	317	234	4,210	2,380	930	943	1,170	767	354	525	263	584
18	725	248	4,230	2,290	1,250	510	599	565	314	332	228	410
19	414	486	2,160	2,200	1,030	535	498	598	284	260	228	367
20	338	439	5,300	2,350	792	505	473	446	253	245	210	335
21	293	377	2,720	2,530	731	1,300	456	442	285	240	198	341
22	249	278	1,740	4,330	719	1,540	6,260	456	255	308	208	360
23	241	241	1,430	2,610	701	785	2,280	444	302	284	198	382
24	281	238	1,360	2,140	677	843	1,140	428	266	305	206	357
25	278	234	1,270	1,490	663	621	593	424	240	210	243	350
26	270	234	1,220	1,770	646	565	492	421	232	218	293	385
27	266	255	1,290	1,700	619	515	417	419	242	856	368	469
28	266	270	1,190	1,650	598	4,250	346	378	237	714	237	654
29	256	325	1,300	4,120	596	4,400	345	300	232	394	220	487
30	255	396	1,380	13,400	------	2,580	371	354	230	311	210	436
31	248	------	1,620	7,010	------	1,300	------	323	------	460	196	------
TOTAL	9,567	8,047	118,156	150,990	39,458	61,882	25,643	29,270	8,831	9,728	7,957	9,109
MEAN	309	268	3,812	4,871	1,361	1,996	855	944	294	314	257	304
MAX	725	486	27,600	32,800	5,380	15,900	6,260	5,400	621	856	515	654
MIN	248	228	336	1,620	596	505	371	296	230	188	196	190
CFSM	.41	.36	5.19	6.49	1.81	2.66	1.14	1.26	.39	.42	.34	.41
IN.	.47	.40	5.97	7.49	1.96	3.07	1.27	1.45	.44	.48	.39	.45

CAL YR 1971 TOTAL 388,433 MEAN 1,064 MAX 27,600 MIN 201 CFSM 1.42 IN 19.27
WTR YR 1972 TOTAL 478,475 MEAN 1,307 MAX 32,800 MIN 188 CFSM 1.74 IN 23.75

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-06	1600	27.60	130,000	03-02	1200	17.78	18,900
01-10	0600	23.65	67,100				

07295000 Buffalo River near Woodville, Miss.

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington meridian, Wilkinson County, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 miles downstream from Fords Creek, 2.8 miles west of Wilkinson, and 8.5 miles north of Woodville.

DRAINAGE AREA.--182 sq mi.

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft above mean sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

AVERAGE DISCHARGE.--30 years, 247 cfs (18.43 inches per year).

EXTREMES.--Current year: Maximum discharge, 40,800 cfs Dec. 6 (gage height, 19.39 ft); minimum daily, 21 cfs July 10.
Period of record: Maximum discharge, 44,800 cfs Oct. 4, 1964 (gage height, 20.19 ft); minimum, 16 cfs Aug. 14, 18, 19, 1954, Sept. 28, 1956.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1281: 1943, 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	38	136	529	540	326	156	82	64	52	67	33
2	54	38	5,020	696	310	5,060	154	111	63	31	52	35
3	52	37	2,680	295	240	690	160	243	62	26	50	34
4	50	37	480	2,140	210	380	136	102	61	31	46	32
5	48	37	4,850	602	200	333	120	96	60	30	43	32
6	60	37	26,400	326	230	232	111	88	60	27	41	33
7	54	37	1,720	240	600	196	107	199	59	24	40	33
8	50	36	660	210	280	3,960	99	1,190	59	23	38	33
9	48	45	475	190	200	660	94	164	60	22	38	34
10	48	48	446	350	180	358	92	91	120	21	37	39
11	48	40	400	487	170	261	96	76	84	25	36	39
12	47	38	360	270	450	212	96	4,140	50	91	36	40
13	47	37	350	220	310	179	89	1,300	52	53	46	37
14	47	36	340	200	180	155	82	399	61	31	38	36
15	47	36	544	190	170	147	83	246	102	28	56	35
16	62	36	424	180	160	218	174	189	83	207	79	37
17	69	37	2,260	174	150	142	106	160	53	258	60	42
18	72	39	727	170	450	124	89	144	44	59	40	40
19	52	130	457	170	310	118	88	128	37	30	36	53
20	46	60	2,970	571	230	115	85	115	35	31	34	51
21	45	45	526	344	190	710	85	104	33	26	34	42
22	44	40	380	256	170	270	151	97	34	29	33	42
23	44	44	260	210	155	194	89	92	34	25	34	41
24	62	46	227	180	145	181	78	86	36	23	34	41
25	47	42	206	169	135	302	78	80	31	31	41	42
26	44	41	195	150	125	191	79	76	28	316	36	46
27	42	40	186	140	122	181	78	72	26	254	41	47
28	41	41	178	135	121	322	78	70	25	180	36	107
29	40	70	176	250	120	194	88	68	24	123	34	57
30	39	49	320	3,850	------	162	83	65	30	69	33	51
31	39	------	557	1,800	------	158	------	66	------	61	33	------
TOTAL	1,548	1,337	54,910	15,694	6,853	16,731	3,104	10,139	1,570	2,237	1,302	1,264
MEAN	49.9	44.6	1,771	506	236	540	103	327	52.3	72.2	42.0	42.1
MAX	72	130	26,400	3,850	600	5,060	174	4,140	120	316	79	107
MIN	39	36	136	135	120	115	78	65	24	21	33	32
CFSM	.27	.25	9.73	2.78	1.30	2.97	.57	1.80	.29	.40	.23	.23
IN.	.32	.27	11.22	3.21	1.40	3.42	.63	2.07	.32	.46	.27	.26

CAL YR 1971 TOTAL 132,477 MEAN 363 MAX 26,400 MIN 22 CFSM 1.99 IN 27.08
WTR YR 1972 TOTAL 116,689 MEAN 319 MAX 26,400 MIN 21 CFSM 1.75 IN 23.85

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-02	1545	13.71	13,700	03-08	0900	13.21	13,900
12-06	1100	19.39	40,800	05-12	1730	13.66	15,300
03-02	0700	14.19	17,700				

07377000 Amite River near Darlington, La.

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, near center of span on downstream side of State Highway 10, 1.5 miles upstream from Collins Creek, and 4.0 miles west of Darlington.

DRAINAGE AREA.--580 sq mi.

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above mean sea level. Mar. 17, 1949, to Oct. 23, 1950, crest-stage gage; Oct. 24, 1950, to Jan. 12, 1951, nonrecording gage; Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft higher.

AVERAGE DISCHARGE.--22 years, 794 cfs (18.59 inches per year).

EXTREMES.--Current year: Maximum discharge, 45,500 cfs Dec. 7 (gage height, 19.43 ft); minimum, 210 cfs Sept. 15, 16 (gage height, 2.34 ft).

Period of record: Maximum discharge, 55,700 cfs Apr. 13, 1955 (gage height, 18.18 ft, site and datum then in use); minimum discharge, 188 cfs Oct. 18, 1956.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	240	280	898	5,260	552	549	285	300	308	263	225
2	373	240	706	830	2,950	3,310	472	288	295	305	260	233
3	346	238	4,610	934	1,320	6,010	433	379	293	268	253	225
4	325	238	6,540	1,370	1,010	3,960	531	510	288	258	245	223
5	312	238	3,230	3,670	818	1,530	601	352	285	260	245	220
6	303	238	13,600	2,720	734	1,100	469	303	283	258	238	218
7	300	238	39,100	1,540	1,940	866	427	1,230	280	255	235	218
8	293	238	18,500	1,060	2,920	1,710	397	6,600	288	250	233	218
9	283	238	7,230	854	1,730	3,610	373	7,520	283	248	230	220
10	275	238	2,090	766	1,060	1,760	358	4,720	298	245	230	238
11	270	245	1,960	1,640	834	1,050	346	1,450	285	243	258	233
12	265	245	1,670	2,170	1,100	818	340	2,690	283	243	275	223
13	265	245	1,190	1,500	1,590	696	331	3,530	318	320	258	218
14	265	248	934	1,010	1,270	622	325	12,300	310	445	270	215
15	263	245	826	787	938	570	318	6,810	295	364	293	213
16	361	240	870	661	780	650	323	1,660	288	318	320	213
17	331	240	1,370	584	814	759	388	938	313	283	308	215
18	308	235	2,250	545	814	601	406	724	334	275	270	223
19	295	255	2,060	517	930	524	352	601	293	270	248	230
20	273	310	3,660	622	838	475	315	521	278	283	240	228
21	265	278	4,640	1,640	675	902	305	466	270	270	235	218
22	260	260	2,760	2,690	594	1,480	542	430	268	268	233	235
23	258	248	1,420	2,520	549	890	451	403	285	265	230	245
24	255	242	1,030	1,610	517	654	524	382	285	263	233	225
25	250	240	850	1,050	493	573	391	367	278	258	248	233
26	248	238	741	818	469	591	318	349	268	270	243	253
27	248	235	671	696	448	500	298	337	263	318	238	334
28	245	260	615	629	427	472	293	325	258	293	240	310
29	245	303	577	608	418	846	293	320	255	273	230	355
30	243	300	570	2,010	------	950	288	313	255	275	225	323
31	240	------	727	5,190	------	675	------	308	------	275	223	------
TOTAL	8,839	7,496	127,277	44,139	34,260	39,706	11,757	62,411	8,575	8,727	7,750	7,180
MEAN	285	250	4,106	1,424	1,181	1,281	392	2,013	286	282	250	239
MAX	376	310	39,100	5,190	5,260	6,010	601	12,300	334	445	320	355
MIN	240	235	280	517	418	472	288	285	255	243	223	213
CFSM	.49	.43	7.08	2.46	2.04	2.21	.68	3.47	.49	.49	.43	.41
IN.	.57	.48	8.16	2.83	2.20	2.55	.75	4.00	.55	.56	.50	.46

CAL YR 1971 TOTAL 339,742 MEAN 931 MAX 39,100 MIN 234 CFSM 1.61 IN 21.79
WTR YR 1972 TOTAL 368,097 MEAN 1,006 MAX 39,100 MIN 213 CFSM 1.73 IN 23.61

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	0145	19.43	45,500	05-08	2045	13.10	7,850
01-31	2345	11.40	5,840	05-14	0200	15.64	13,800
03-03	0445	11.67	6,140				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Mobile River basin				
02431400	Mantachie Creek at Dorsey, Miss.	Lat 34°15'08", long 88°28'36", in SE¼ sec.32, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, on Highway 78, 0.5 mile east of Dorsey.	a62	1943, 1945-46, 1952-57, 1959-60, 1971-72	10-19-71	2.29
02435900	Calloway Creek near Pontotoc, Miss. (Formerly published as Chiwapa Creek)	Lat 34°10'59", long 88°57'38", in NW¼ sec.26, T.10 S., R.3 E., Chickasaw meridian, Pontotoc County, on State Highway 41, 4.8 miles southeast of Pontotoc.	a6	1952-54, 1956-57, 1959-60, 1962, 1972	10-21-71	2.05
		Pascagoula River basin				
02471400	Oakohay Creek near Raleigh, Miss.	Lat 32°02'52", long 89°34'16", in NE¼NW¼ sec.3, T.2 N. (corrected), R.7 E., Choctaw meridian, Smith County, at bridge on State Highway 18, 3 miles west of Raleigh.	66	1943, 1951-52, 1955-57, 1960, 1968, 1972	11-15-71	1.26
02474100	Tallahoma Creek near Laurel, Miss.	Lat 31°42'50", long 89°09'56", in SE¼ sec.26, T.9 N., R.12 W., St. Stephens meridian, at bridge on county highway, 1.2 miles above U.S. Highway 84 bridge, and 2 miles northwest of Laurel.	-	1953-57, 1959-60, 1964-66, 1972	11-19-71	15.7
02474540	Tallahala Creek near Mahned, Miss.	Lat 31°13'52", long 89°04'50", in SE¼ sec.10, T.3 N., R.11 W., St. Stephens meridian, Perry County, at bridge on county road, 2 miles north of Mahned.	a640	1964-65, 1972	11-19-71	109
02474580	Bogue Homo near Laurel, Miss.	Lat 31°42'06", long 89°01'36", in SW¼ sec.32, T.9 N., R.10 W., St. Stephens meridian, Jones County, at bridge on U.S. Highway 84, 6 miles east of Laurel.	117	1943, 1956, 1961, 1972	11-17-71 6- 1-72	3.59 2.85
02474820	Thompson Creek near Hintonville, Miss.	Lat 31°15'40", long 88°54'08", in SW¼ sec.33, T.4 N., R.9 W., St. Stephens meridian, Perry County, at bridge on county highway, 1.5 miles east of Hintonville.	-	1964-65, 1972	11-17-71	21.1
02474990	Atkinson Creek near McLain, Miss.	Lat 31°08'20", long 88°48'05", in NW¼ sec.16, T.2 N., R.8 W., St. Stephens meridian, Greene County, at bridge on county highway, 3 miles north of McLain.	-	1964-65, 1972	11-18-71	4.11
02477350	Chickasawhay River at Shubuta, Miss.	Lat 31°50'55", long 88°41'24", in SE¼ sec.9 (revised), T.10 N., R.7 W., St. Stephens meridian, Clarke County, at bridge on U.S. Highway 45, 1 mile southeast of Shubuta.	a1,460	1954, 1964-67, 1972	11-19-71	408
02478030	Buckatunna Creek near Buckatunna, Miss.	Lat 31°31'15", long 88°30'45", in NW¼ sec.5, T.6 N., R.5 W., St. Stephens meridian, Wayne County, at bridge on U.S. Highway 45, 1.5 miles southeast of Buckatunna.	a600	1964-66, 1972	11-16-71	98.6

Discharge measurements made at low-flow partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Pascagoula River basin--Continued						
02478140	Big Creek near Buckatunna, Miss.	Lat 31°28'00", long 88°34'20", in SE¼ sec.22, T.6 N., R.6 W., St. Stephens meridian, Wayne County, at bridge on county highway, 10 miles southwest of Buckatunna.	a140	1964-66, 1972	11-16-71	98.6
02478760	Big Creek near Hillman, Miss.	Lat 31°04'20", long 88°38'20" (corrected), in SE¼ sec.1, T.1 N., R.7 W., St. Stephens meridian, Greene County, on county road, 4 miles south of Hillman.	-	1965-66, 1972	11-18-71	25.9
02479052	Big Creek below Crossroads, Miss.	Lat 30°51'23", long 88°41'52", in SW¼ (corrected), sec.21, T.2 S., R.7 W., St. Stephens meridian, George County, at county highway bridge, 2 miles south of Crossroads, and 8 miles southwest of Lucedale.	49.1	1953, 1955-56, 1960, 1972	11-17-71	32.3
02479105	Little Black Creek near Lumberton, Miss.	Lat 31°04'17", long 89°25'17", in SE¼ sec.5, T.1 N., R.14 W., St. Stephens meridian, Lamar County, at bridge on U.S. Highway 11, 5 miles north of Lumberton.	a30	1955, 1963-64, 1966, 1972	10- 4-71	17.6
02479120	Big Creek near Brooklyn, Miss.	Lat 31°03'58", long 89°16'08", in NE¼ sec.11, T.1 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county road, 5 miles west of Brooklyn.	-	1954-57, 1959, 1972	10- 4-71	8.58
Hatchie River basin						
07029250	Hatchie River near Ripley, Miss.	Lat 34°43'15", long 88°46'01", in W½ sec.22, T.4 S., R.5 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 10.5 miles east of Ripley.	-	1953, 1955-57, 1960, 1972	10-20-71	8.36
07029415	Muddy Creek at Walnut, Miss.	Lat 34°57'10", long 88°52'40", on line between secs.33 and 34, T.1 S., R.4 E., Chickasaw meridian, Tippah County, at bridge on U.S. Highway 72, 1 mile east of Walnut.	-	1955-57, 1959-60, 1972	10-20-71	4.42
Yazoo River basin						
*07268500	Cypress Creek near Etta, Miss.	Lat 34°26'30", long 89°17'25", in SE¼ sec.27, T.7 S., R.1 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 30, 4 miles southwest of Etta.	28.5	1939-43‡, 1952-57, 1959-60, 1972	10-22-71	4.86
07269800	Tippah Creek near Ashland, Miss.	Lat 34°44'37", long 89°10'50", in SE¼ sec.10 (corrected), T.4 S., R.1 E., Chickasaw meridian, Benton County, at bridge on State Highway 5, 6 miles south of Ashland.	-	1955-57, 1959, 1972	10-21-71	26.5
07269970	Chewalla Creek near Potts Camp, Miss.	Lat 34°40'21", long 89°19'52", in SW¼ sec.5, T.5 S., R.1 W., Chickasaw meridian, Marshall County, at bridge on U.S. Highway 78, 1.8 miles northwest of Potts Camp.	a42	1953-56, 1959, 1961, 1972	10-21-71	55.7
07270520	Big Spring Creek near Holly Springs, Miss.	Lat 34°42'40", long 89°23'35", in NE¼ sec.27, T.4 S., R.2 W., Chickasaw meridian, Marshall County, 5 miles southeast of Holly Springs.	-	1972	10-21-71	6.01
07270600	Little Spring Creek at Malone, Miss.	Lat 34°34'32", long 89°28'30", in E½ sec.11, T.6 S., R.3 W., Chickasaw meridian, Marshall County, at bridge 300 ft east of State Highway 7 at Malone.	-	1955-56, 1959, 1972	10-19-71	38.9
07270800	Hurricane Creek near Oxford, Miss.	Lat 34°26'46", long 89°30'42" (corrected), in NE¼ sec.28, T.7 S., R.3 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 7, 6 miles north of Oxford.	-	1955-57, 1959-60, 1971-72	10-22-71	11.7
07283210	Persimmon Creek near Bruce, Miss.	Lat 33°59'12", long 89°25'03", in SW¼ sec.33, T.12 S., R.2 W., Chickasaw meridian, Calhoun County, on State Highway 330, 4 miles west of Bruce.	-	1960, 1970, 1972	10-14-71	2.31

Discharge measurements made at low-flow partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
07285400	Batupan River at Grenada, Miss.	Lat 33°46'26", long 89°47'15", in NE¼ sec.17, T.22 N., R.5 E., Choctaw meridian, at bridge on State Highway 8, 0.5 mile southeast of Grenada.	222	1942-44, 1954-57, 1959, 1972	10-14-71 6- 7-72	29.0 41.6
		Big Black River basin				
07289095	Big Black River near Eupora, Miss.	Lat 33°31'20", long 89°15'23", in SW¼ sec.9, T.19 N., R.10 E., Choctaw meridian, Webster County, on State Highway 9, 1.5 miles south of Eupora.	-	1960, 1964, 1971-72	10-15-71	2.87
07289140	Calabrella Creek near Tomnolen, Miss.	Lat 33°28'13", long 89°23'13", in NE¼ sec.31, T.19 N., R.9 E., Choctaw meridian, Webster County, on U.S. Highway 82, 1.8 miles southwest of Tomnolen.	a45	1952, 1954, 1956-57, 1959-60, 1966, 1971-72	10-13-71	3.80
07289220	Big Black River near Kilmichael, Miss.	Lat 33°24'53", long 89°33'00", in N½ of sec.22, T.18 N., R.7 E., Choctaw meridian, Montgomery County, at bridge on State Highway 413, 1.7 miles south of Kilmichael.	-	1964, 1972	6- 5-72	23.2
07289240	Big Black River near Winona, Miss.	Lat 33°22'58", long 89°36'52", in NE¼ sec.36, T.18 N., R.6 E., Choctaw meridian, Montgomery County, 9 miles southeast of Winona.	-	1964, 1970, 1972	10-13-71 6- 5-72	34.6 52.0

* Also a crest-stage partial-record station.
‡ Operated as a continuous-record gaging station.
a Approximately.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin					
02429900	Big Brown Creek near Booneville, Miss.	Lat 34°37'27", long 88°26'43", in N½ sec.27, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, at bridge on State Highway 30, 1.2 miles below Thompson Branch, and 7 miles southeast of Booneville.	a26.7	1952-72	1- 4-72	96.77	2,500
02429980	Pollard Mill Branch near Paden, Miss.	Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, at culvert on State Highway 30, 0.8 mile east of Paden.	2.05	1967-72	5- 7-72	3.31	98
02430500	Tombigbee River near Marietta, Miss.	Lat 34°26', long 88°25', in SE¼ sec. 35, T.7 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county highway, half a mile downstream from confluence of Browns Creek Canal and Mackeys Creek, 3 miles upstream from Donovan Creek Canal, and 6 miles southeast of Marietta.	a307	1937-50‡, 1968-72	1- 4-72	11.27	8,260
02432900	Red Boot Creek near Fulton, Miss.	Lat 34°19'10", long 88°19'30", in NE¼SE¼NW¼, sec.11, T.9 S., R.9 E., Chickasaw meridian, Itawamba County, at culvert on State Highway 25, 4.4 miles north of junction of State Highway 25 and U.S. Highway 78 near Fulton. Prior to Oct. 1, 1964, at datum 12.24 ft lower.	.13	1955-72	1- 1-72	4.44	52
02434000	Town Creek at Tupelo, Miss.	Lat 34°17'40", long 88°42'35", in SW¼SE¼ sec.18, T.9 S., R.6 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 0.5 mile north of city limits of Tupelo.	a110	1944-46‡, 1952-70‡, 1971-72	1- 4-72	262.55	4,760
02434500	Euclautubba Creek at Saltillo, Miss.	Lat 34°22'20", long 88°42'00", in SW¼NW¼ sec.20, T.8 S., R.6 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45 at Saltillo, 0.2 mile below Flat Creek, and 2.2 miles above mouth.	a19.2	1952-67‡, 1968-72	1- 4-72	12.30	1,580
02435100	Truck Stop ditch near Tupelo, Miss.	Lat 34°17'40", long 88°45'20", in NE¼NE¼NE¼ sec.22, T.9 S., R.5 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 2.6 miles west of intersection of U.S. Highways 78 and 45 in Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft lower.	.22	1955-72	1- 4-72	3.14	48
02435300	Cow Pike Pass near Tupelo, Miss.	Lat 34°16'00", long 88°37'10", in SW¼SE¼SE¼ sec.25, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 5.5 miles east of Tupelo. Prior to Oct. 1, 1964, at datum 2.81 ft lower.	.14	1955-72	1972	(b)	(†)
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'50", in SW¼SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 1.3 miles east of Tupelo.	.75	1955-72	1- 4-72	3.50	36
02435800	Coonewar Creek at Shannon, Miss.	Lat 34°08'15", long 88°43'12", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 1 mile north of Shannon and 4.5 miles upstream from mouth.	a53.0	1953-72	1- 4-72	16.36	2,600
02435920	Cotton Gin Branch near Tupelo, Miss.	Lat 34°14'10", long 88°50'20", in SE¼SW¼SW¼ sec.1, T.10 S., R.4 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 7.5 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 12.74 ft lower.	.30	1955-72	12- 3-71	2.84	37
02435930	Shell Creek near Tupelo, Miss.	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 6.6 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft lower.	.20	1955-72	5- 7-72	3.60	42

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Mobile River basin--Continued					
02436000	Chiwapa Creek at Shannon, Miss.	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mile above Gulf, Mobile and Ohio Railroad bridge.	a144	1952-67‡, 1968-72	1972	(c)	(†)
02437300	Mattubby Creek near Aberdeen, Miss.	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 miles above Wolf River, and 4 miles northwest of Aberdeen.	a92.0	1937, 1952-72	1- 4-72	93.45	8,900
02437550	Nichols Creek tributary near Quincy, Miss.	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mile southeast of Quincy.	.54	1967-72	4-22-72	4.50	117
02437600	James Creek at Aberdeen, Miss.	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on State Highway 25, 0.4 mile southwest of Aberdeen.	28.9	1964-68‡, 1969-72	1- 4-72	14.21	2,780
02439800	Cowbell Creek near Houlka, Miss.	Lat 34°04'10", long 89°00'20", in NW¼SE¼NE¼ sec.5, T.12 S., R.3 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 15, 1.75 miles north of Houlka. Prior to Oct. 1, 1964, at datum 1.61 ft lower.	.46	1955-72	1- 4-72	5.26	171
02439980	Chuquatonchee Creek near Okolona, Miss.	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw meridian, Chickasaw County, at bridge on State Highway 32, 7.5 miles west of Okolona.	68.5	1963-68‡, 1969-72	2-15-64 3- 2-64 3-15-64 4- 6-64 4-12-64 4-27-64 2-12-65 3- 1-65 3-29-65 2-10-66 2-20-67 12-18-67 1- 3-68 1- 6-68 3-12-68 1- 4-72	13.83 14.42 15.21 14.55 14.38 13.86 13.78 13.98 14.01 d15.1 14.24 14.03 e13.8 e14.0 13.78 14.11	a2,560 a3,860 a6,500 a4,240 a3,740 a2,600 a2,490 a2,800 a2,850 a6,050 a3,360 a2,890 a2,520 a2,830 a2,490 2,900
02440020	Chuquatonchee Creek tributary near Trebloc, Miss.	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 8, 1.5 miles east of Trebloc.	.72	1967-72	5- 7-72	7.59	370
02440400	Houlka Creek near McCondy, Miss.	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw meridian, Clay County, at bridge on State Highway 47, 2.8 miles south of McCondy.	185	1963-68‡, 1969-72	1- 4-72	14.34	8,400
02440600	Line Creek near Maben, Miss.	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw meridian, Webster County, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7 miles north of Maben.	6.5	1952-72	3- 8-72	20.70	2,680
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3 miles above Biba Wila Creek, and 6 miles west of Starkville.	39.6	1952-72	1- 4-72	25.89	5,530
02441220	Sand Creek tributary near Mayhew, Miss.	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw meridian, Oktibbeha County, on U.S. Highway 82, 3.7 miles west of Mayhew.	.44	1966-72	3- 8-72	6.26	219
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE¼SW¼ sec. 28, T.19 N., R.16 E., Choctaw meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mile east of Mayhew.	98.2	1963-68‡, 1969-72	1-10-72	18.04	6,790

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Mobile River basin--Continued							
02443605	Mayo Slough tributary near Columbus, Miss.	Lat 33°28'40", long 88°31'05", on line between SE¼ sec.28 and NE¼ sec.33, T.19 N., R.17 E., Choctaw meridian, Lowndes County, at 8 x 4 foot box culvert on U.S. Highway 82, 5 miles west of Columbus.	0.24	1965-72	3- 8-72	6.16	222
02443700	Cedar Creek near Brooksville, Miss.	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw meridian, Lowndes County, at 10 x 6 foot box culvert on U.S. Highway 45, 7.5 miles north of Brooksville.	.49	1965-72	1-10-72	6.00	250
02447220	Bogue Fallah Creek tributary near Ackerman, Miss.	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw meridian, Choctaw County, on State Highway 12, 4.1 miles northeast of Ackerman.	.34	1966-72	1-10-72	5.12	137
02447280	Lawson Branch near Betheden, Miss.	Lat 33°15'40", long 88°56'50", in NW¼NW¼NW¼ sec.11. T.16 N., R.13 E., Choctaw meridian, Winston County, on State Highway 25, 3.4 miles north of Betheden.	1.11	1966-72	1-10-72	6.83	448
02447340	Cypress Creek tributary at Bradley, Miss.	Lat 33°22'20", long 88°59'00", in NE¼NE¼NE¼ sec.1, T.17 N., R.12 E., Choctaw meridian, Oktibbeha County, on State Highway 12, 0.3 mile southwest of Bradley.	.60	1966-72	1-10-72	4.41	130
02447500	Noxubee River near Brooksville, Miss.	Lat 33°13'30", long 88°42'10", in center of sec.19, T.16 N., R.16 E., Choctaw meridian, Noxubee County, on county road, 7 miles west of Brooksville.	f440	1941-42‡, 1944-64‡, 1965-72	1-12-72	20.23	10,500
02448620	Flat Scooba Creek tributary near Scooba, Miss.	Lat 32°50'20", long 88°28'10", in SE¼ sec.32 T.12 N., R.18 E., Choctaw meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mile north of Scooba.	.44	1967-72	1- 3-72	5.21	129
02467100	Hamilton Branch near DeKalb, Miss.	Lat 32°47'30", long 88°35'40", in NE¼ sec.19, T.11 N., R.17 E., Choctaw meridian, Kemper County, at 16 x 6 foot culvert on State Highway 16, 4.2 miles northeast of DeKalb.	.97	1965-72	1- 3-72	6.15	344
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW¼SE¼SE¼ sec.21, T.3 N., R.18 E., Choctaw meridian, Clarke County, on State Highway 18, 17.6 miles east of Quitman.	4.35	1966-72	1- 9-72	6.90	1,220
Pascagoula River basin							
02471100	Leaf River near Raleigh, Miss.	Lat 32°00'47", long 89°25'58", in SE¼SE¼NW¼ sec.13, T.2 N., R.8 E., Choctaw meridian, Smith County, at bridge on State Highway 18, 6 miles east of Raleigh.	143	1940-43g, 1957-72	12- 6-71	301.37	11,600
02471250	Leaf River at Taylorsville, Miss.	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens meridian, Smith County, on State Highway 28, 1 mile east of Taylorsville.	466	1968-72	12- 6-71	246.75	10,400
02471500	Oakohay Creek at Mize, Miss.	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens meridian, Smith County, on State Highway 28, at Mize.	171	1943-49‡, 1968-72	12- 6-71	12.88	5,990
02472160	Big Creek tributary near Laurel, Miss.	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens meridian, Jones County, on U.S. Highway 84, 11.4 miles west of Laurel.	.17	1966-72	12- 6-71	5.02	119
02472420	Bowie Creek near Sanford, Miss.	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens meridian, Covington County, at bridge on State Highway 589, 5.0 miles southwest of junction with U.S. Highway 49.	262	1968-72	12- 6-71	208.36	4,120

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pascagoula River basin--Continued					
02472700	Okatoma Creek tributary at Mt. Olive, Miss.	Lat 31°46', long 89°38', in NE¼ sec.7, T.9 N., R.16 W., St. Stephens meridian, Covington County, at double 6 x 4 foot box culvert on State Highway 532, 0.3 mile east of Mt. Olive.	.33	1965-72	4-21-72	3.92	98
02472810	Okatoma Creek tributary No. 2 near Collins, Miss.	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens meridian, Covington County, at culvert on U.S. Highway 49, 1.6 miles south of Collins.	.21	1967-72	12- 6-71	5.09	100
02473047	Gordon Creek at Broad Street at Hattiesburg, Miss.	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on Broad Street in Hattiesburg, Miss.		1969-72	12- 6-71	158.70	2,620
02473460	Tallahala Creek at Waldrup, Miss.	Lat 31°57'30", long 89°06'50", in SW¼ sec.31, T.2 N., R.12 E., Choctaw meridian, Jasper County, at bridge on State Highway 528, 0.8 mile west of Waldrup.	f100	1969-72	a2-21-71 1-10-72	a310.53 307.66	a7,600 2,000
02473480	Tallahattah Creek near Waldrup, Miss.	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. Stephens meridian, Jasper County, on paved county road, 8.7 miles south of Waldrup.	30.7	1965-70‡, 1971-72	5-13-72	16.97	6,500
02473850	Tallahoma Creek tributary at Lake Como, Miss.	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, and NE¼ sec.6, T.2 N., R.11 E., Choctaw meridian, Jasper County, at culvert on State Highway 528, 0.5 mile east of Lake Como.	3.21	1966-72	1- 9-72	7.75	1,320
02474650	Buck Creek near Runnelstown, Miss.	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens meridian, Perry County, at bridge on State Highway 42, 2.5 miles above mouth, and 3.7 miles east of Runnelstown.	19.1	1951-72	1972	(b)	(†)
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 57, 4.2 miles east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower.	.65	1955-72	5- 2-72	7.40	324
02475220	Little Rock Creek tributary near Little Rock, Miss.	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw meridian, Newton County, at 6 x 5 foot box culvert on State Highway 494, 1.2 miles southeast of Little Rock.	.22	1965-72	1- 9-72	6.88	210
02477050	Souinlovey Creek near Baxter, Miss.	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw meridian, Jasper County, at 10 x 8 foot box culvert on State Highway 15, 2.6 miles north of Baxter.	1.14	1965-72	12- 6-71	7.02	329
02477090	Powers Creek near Rose Hill, Miss.	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw meridian, Jasper County, at double 5 x 5 foot culvert on State Highway 18, 3.0 miles southwest of Rose Hill.	.45	1965-72	1-10-72	5.11	171
02477330	Shubuta Creek near Shubuta, Miss.	Lat 31° 53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw meridian, Clarke County, at county highway, 1.5 miles northwest of Shubuta, and 5 miles above mouth.	95	1963-72	12- 6-71	15.26	1,960
02478600	Granny Branch at Piave, Miss.	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 63, 0.3 mile southwest of Piave.	.69	1967-72	12- 2-71	5.35	246
02479094	Blown Pine Creek near Hattiesburg, Miss.	Lat 31°18'10", long 89°31'00", on line between SW¼ sec.16 and NW¼ sec.21, T.4 N., R.15 W., St. Stephens meridian, Lamar County, at culvert on U.S. Highway 98, 11.3 miles west of intersection of U.S. Highway 49 and 98 in Hattiesburg.	1.60	1967-72	12- 6-71	5.82	427

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pascagoula River basin--Continued					
02479138	Walls Creek tributary near Brooklyn, Miss.	Lat 31°06'15", long 89°13'05", in NW¼NE¼SE¼ sec.29, T.2 N., R.12 W., St. Stephens meridian, Forrest County, on U.S. Highway 49, 3.4 miles northwest of Brooklyn.	.37	1966-72	5- 7-72	4.90	138
02479165	Mosquito Branch at Benndale, Miss.	Lat 30°51'40", long 88°49'30", in SW¼NE¼ sec. 19, T.2 S., R.8 W., St. Stephens meridian, George County, at State Highway 26, 1.0 mile west of Benndale. Prior to Oct. 1, 1964, at datum 0.99 ft higher.	.22	1955-72	7-16-72	3.77	57
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens meridian, Stone County, on State Highway 26, 5.3 miles west of Wiggins.	.22	1966-72	3- 1-72	7.86	265
02479260	Bluff Creek tributary near Whites Crossing, Miss.	Lat 30°51'10", long 88°57'30", in NE¼SW¼SE¼ sec.23, T.2 S., R.10 W., St. Stephens meridian, Stone County, on State Highway 26, 5.0 miles east of Whites Crossing.	.82	1966-72	1- 4-72	4.66	249
02479580	Escatawpa River near Harleston, Miss.	Lat 30°43'40", long 88°27'20", in SW¼ sec.2, T.4 S., R.5 W., St. Stephens meridian, Jackson County, at bridge on county road, 3.5 miles east of State Highway 613 at Harleston.	584	1968-72	3- 1-72	45.74	6,060
02479600	Escatawpa River near Hurley, Miss. (Station discontinued in 1970)	Lat 30°37'45", long 88°26'00", NE¼ sec.12, T.5 S., R.5 W., St. Stephens meridian, Jackson County, on county highway, 4.2 miles southeast of Hurley.	639	1958-60‡, 1961-70	a2-22-61	a14.35	h15,400
02480150	Franklin Creek near Grand Bay, Ala.	Lat 30°28'10", long 88°23'10", in NW¼ sec.4, T.7 S., R.4 W., St. Stephens meridian, Mobile County, at bridge on county highway, 0.9 mile east of Miss.-Ala. State line, 2.6 miles west of Grand Bay, Ala., and 3.1 miles upstream from mouth.	16.4	1959-72	7-30-72	16.01	1,820
		Tchoutacabouffa River basin					
02480500	Tuxachanie Creek near Biloxi, Miss.	Lat 30°31'35", long 88°54'40", in SE¼NW¼ sec. 20, T.6 S., R.9 W., St. Stephens meridian, Harrison County, at bridge on State Highway 15, 7 miles north of city limits of Biloxi.	a92.3	1944-52, 1952-71‡, 1972	5- 7-72	20.49	13,200
		Biloxi River basin					
02481130	Biloxi River near Lyman, Miss.	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec. 25, T.6 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 miles downstream from Little Biloxi River, 4.6 miles east of Lyman.	a250.74	1965-72	1-12-72	18.18	9,800
		Wolf River basin					
02481505	Mill Creek tributary near Lizana, Miss.	Lat 30°35'50", long 89°19'10", in NW¼ sec.20, T.5 S., R.13 W., St. Stephens meridian, Harrison County, at culvert on State Highway 53, 6.4 miles northwest of Lizana.	2.29	1967-72	1-20-72	6.38	783
		Pearl River basin					
02481900	Coonshuck Creek tributary near House, Miss.	Lat 32°39', long 89°01', in NW¼ sec.12, T.9 N., R.12 E., Choctaw meridian, Neshoba County, at a double 5 x 4 foot box culvert on State Highway 19, 2.3 miles northwest of House, and 9.3 miles southeast of Philadelphia.	.20	1965-72	12- 6-71	4.67	137
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw meridian, Leake County, on State Highway 16, 5.4 miles west of Edinburg.	1.92	1966-72	5- 2-72	4.21	455

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pearl River basin--Continued					
02482310	Lobutcha Creek tributary at Wamba, Miss.	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw meridian, Attala County, at 10 x 10 foot box culvert on State Highway 19, 0.3 mile west of Wamba.	.94	1965-72	12- 6-71	7.18	385
02482900	Tallabogue Creek tributary near Harperville, Miss.	Lat 32°32'00", long 89°28'40", in SW¼SE¼ sec.16, T.8 N., R.8 E., Choctaw meridian, Scott County, on State Highway 35, 2.8 miles north of Harperville.	.12	1966-72	12- 6-71	3.91	39
02483890	Yockanookany River tributary near McCool, Miss.	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw meridian, Attala County, at double 6 x 4 foot box culvert on State Highway 12, 4 miles southwest of McCool.	.34	1965-72	12- 6-71	6.18	351
02484750	Red Cane Creek tributary near Pisgah, Miss.	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 54-inch circular pipe on State Highway 43, 4.1 miles east of Pisgah.	.10	1965-72	3- 2-72	5.03	66
02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	Lat 32°26'00", long 89°48'50", in NW¼ sec.20, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 6 foot box culvert on State Highway 43, 7.2 miles southeast of Pisgah.	.59	1965-72	3- 2-72	5.44	202
02485385	Hollybush Creek tributary No. 2 near Pisgah, Miss.	Lat 32°25'40", long 89°48'55", in SW¼ sec.20, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 4 foot box culvert on State Highway 43, 7.6 miles southeast of Pisgah.	.25	1965-72	3- 2-72	4.31	107
02485392	Clear Creek tributary near Pelahatchie, Miss.	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw meridian, Rankin County, at 60-inch circular culvert on State Highway 43, 3.3 miles north of intersection on Highways 80 and 43 in Pelahatchie.	.12	1965-72	12- 6-71	5.01	73
02485650	Purple Creek at Jackson, Miss.	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw meridian, Hinds County, at Colonial Country Club, 600 ft above old Canton Road bridge, and 1.5 miles above mouth.	5.85	1952-72	7-29-72	94.21	769
02485700	Hanging Moss Creek at Jackson, Miss.	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1 mile above Whiteoak Creek, and 2 miles above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft lower.	16	1953-72	2- 7-72	17.31	2,140
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1600 ft upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 miles upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft downstream at datum 0.74 ft lower.	4.0	1954-72	7-29-72	14.70	1,900
02485900	Neely Creek near Brandon, Miss.	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw meridian, Rankin County, at double 8 x 6 foot box culvert on New Airport Road, 5.4 miles west of Brandon.	1.09	1965-72	12- 6-71	3.60	195
02486050	Town Creek at Jackson, Miss.	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft above Illinois Central Railroad.	11.3	1953-72	7-29-72	11.93	2,620

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pearl River basin--Continued					
02486100	Lynch Creek at Jackson, Miss.	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft below U.S. Highway 80, and 2.0 miles above mouth. Prior to Oct. 1, 1958, at site 2,000 ft upstream.	11.1	1955-72	7-29-72	14.70	4,200
02486115	Three Mile Creek at Jackson, Miss.	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec. 17, T.5 N., R.1 E., Choctaw meridian, Hinds County, 300 ft downstream from old U.S. Highway 51 (Terry Road), 0.6 mile above Illinois Central Railroad.	1.12	1962-73	a11-14-61 a7- 8-63 a5-19-66 6- 1-67 7-29-72	279.53 a278.95 280.89 a281.08 280.37	955 a752 1,470 a1,540 1,260
02486240	Richland Creek tributary near Brandon, Miss.	Lat 32°13'30", long 90°01'10", on line between sec.32, T.5 N., R.3 E. and sec.6, T.4 N., R.3 E., Choctaw meridian, Rankin County, on State Highway 469, 4.6 miles southwest of Brandon.	.12	1966-72	12- 6-71	5.30	69
02487300	Strong River near Puckett, Miss.	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw meridian, Rankin County, at State Highway 18, 2 miles southeast of Puckett.	--	1958-70, 1972	12- 6-71	25.04	10,800
02487500	Strong River at D'Lo, Miss.	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw meridian, on left bank at downstream side of old U.S. Highway 49, 0.2 mile south of D'Lo.	429	1928-71†, 1972	12- 7-71	27.52	11,000
02487670	Boggans ditch near Mendenhall, Miss.	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw meridian, Simpson County, at culvert on State Highway 13, 5.5 miles south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.[illegible] ft higher.	.91	1955-72	12- 6-71	5.86	377
02487690	Baking Powder Draw near Prentiss, Miss.	Lat 31°50'20", long 89°53'00", in SE¼NE¼NW¼ sec.14, T.10 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 4.9 miles north of Jefferson Davis-Simpson County line, and 16.0 miles north of Prentiss. Prior to Oct. 1, 1964, at datum 1.37 ft higher.	.82	1955-72	12- 6-71	3.77	83
02487710	Barretts Branch near Pinola, Miss.	Lat 31°52'50", long 90°02'40", in NE¼NE¼SE¼ sec.36, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 0.79 ft lower.	.88	1955, 1957-72	12- 6-71	5.75	280
02487770	Bradleys ditch near Pinola, Miss.	Lat 31°52'50", long 90°05'30", in NW¼NW¼SW¼ sec.34, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 8.5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 1.09 ft higher.	.54	1955-72	12- 6-71	5.84	245
02487900	Copiah Creek near Hazlehurst, Miss.	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec. 27, T.1 N., R.1 W., Choctaw meridian, Copiah County, at bridge on State Highway 28, 6.2 miles east of Hazlehurst.	48.6	1948-65, 1966-68‡, 1969-72	1972	(b)	(†)
02488340	Small Pine ditch near Monticello, Miss.	Lat 31°32'50", long 90°15'40", in SW¼SW¼NW¼ sec.25, T.7 N., R.9 E., Washington meridian, Lawrence County, at culvert on U.S. Highway 84, 9 miles west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft higher.	.16	1955-72	1- 9-72	6.19	152
02488510	Roadside Park ditch near Monticello, Miss.	Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec.18, T.7 N., R.12 E., St. Stephens meridian, Lawrence County, at culvert on U.S. Highway 84, 3.0 miles east of Monticello. Prior to Oct. 1, 1964, at datum 0.86 ft higher.	.25	1955-72	1- 9-72	4.30	93

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Pearl River basin--Continued							
02488540	Newhebron Gulley at Newhebron, Miss.	Lat 31°44', long 90°00', in NW¼SW¼SE¼ sec.22, T.9 N., R.20 W., St. Stephens meridian, Lawrence County, at 16 x 10 foot box culvert on paved county highway, 0.9 mile west of Newhebron.	2.50	1965-72	12- 6-71	4.96	406
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 12.2 miles north of Prentiss.	.34	1955-72	12- 6-71	2.15	60
02488680	Plum ditch near Prentiss, Miss.	Lat 31°35'20", long 89°56'40", on line between NE¼ and SE¼ sec.7, T.7 N., R.19 W., St. Stephens meridian, Jefferson Davis County, at culvert on U.S. Highway 84, 4.2 miles west of Prentiss.	.23	1955-72	1- 9-72	3.56	34
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington meridian, Marion County, at U.S. Highway 98, 5.7 miles west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher.	.91	1955-72	12- 6-71	8.19	471
02489160	Kokomo Draw at Kokomo, Miss.	Lat 31°11'30", long 90°00'00", in SW¼SE¼SW¼ sec.28, T.3 N., R.12 E., Washington meridian, Marion County, at culvert on U.S. Highway 98, at Kokomo. Prior to Oct. 1, 1964, at datum 1.20 ft higher.	1.26	1955-72	12- 6-71	6.80	660
02490370	Bogue Chitto near Pricedale, Miss.	Lat 31°16'10", long 90°21'40", in SE¼ sec.35, T.4 N., R.8 E., Washington meridian, Pike County, at bridge on State Highway 44, 4.5 miles west of Pricedale, 7 miles east of McComb.	265	1968-72	12- 6-71	297.25	22,600
02490550	Middle Fork Hickory Flat near Tylertown, Miss.	Lat 31°10', long 90°13', on line between secs. 5 and 8, T.2 N., R.10 E., Washington meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mile above Fernwood, Columbia, and Gulf Railroad, and 5.5 miles northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft lower.	1.37	1953-72	12- 6-71	7.01	733
02492360	West Hobolochitto Creek near McNeill, Miss.	Lat 30°39'42", long 89°41'10". in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on county road, 3.1 miles west of McNeill.	175	1966-68†, 1969-72	5-12-72	22.05	12,200
Hatchie River basin							
07029252	Pool Branch near Ripley, Miss.	Lat 34°42'50", long 88°47'20", in NW¼NW¼ sec. 28, T.4 S., R.5 E., Chickasaw meridian, Tippah County, on State Highway 4, 10.1 miles east of Ripley.	1.24	1966-72	9-17-72	3.52	214
07030365	Wesley Branch near Walnut, Miss.	Lat 34°57'00", long 89°05'20", in SE¼ sec.33, T.1 S., R.2 E., Chickasaw meridian, Benton County, on U.S. Highway 72, 10.5 miles west of Walnut.	2.17	1966-72	5- 2-72	2.33	9.2
Yazoo River basin							
07267000	Hell Creek near New Albany, Miss.	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw meridian, Union County, at bridge on U.S. Highway 78, 3 miles northwest of New Albany, and 4.5 miles above mouth.	27.3	1939-42†, 1952-72	4-29-72	11.63	2,220
07267150	Jones Creek tributary near New Albany, Miss.	Lat 34°26'00", long 89°01'00", on line between NE¼ sec.31 and NW¼ sec.32, T.7 S., R.3 E., Chickasaw meridian, Union County, on State Highway 15, 3.4 miles south of New Albany.	.34	1966-72	9-27-72	5.85	170
07267200	Cracker ditch near Pontotoc, Miss.	Lat 34°17'30", long 89°11'40", in SE¼NW¼NW¼ sec.22, T.9 S., R.1 E., Chickasaw meridian, Pontotoc County, at culvert on State Highway 6, 11 miles west of Pontotoc. Prior to Oct. 1, 1964, at datum 11.43 ft lower.	.23	1955-72	6-25-72	4.95	94

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Yazoo River basin--Continued					
*07268300	Cypress Creek near Etta, Miss.	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 30, 4.5 miles southwest of Etta, and 5 miles above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42†, 1952-72	4-29-72	11.89	3,280
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 2 miles upstream from Tippah Creek, and 5.5 miles west of Ripley.	20.0	1939-42†, 1952-72	9-18-72	14.30	1,600
07274250	Otuckalofa Creek at Water Valley, Miss.	Lat 34°08'25", long 89°38'17", in SW¼NE¼ sec.8, T.11 S., R.4 W., Chickasaw meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mile south of Water Valley, and 5.2 miles above mouth.	84.1	1952-72	4-21-71 4-16-72	23.28 19.17	a6,000 2,280
07275500	Long Creek near Courtland, Miss.	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw meridian, Panola County, at bridge on U.S. Highway 51, 1 mile south of Courtland, 5.5 miles above mouth, and 6 miles south of Batesville.	66.2	1940-43†, 1952-72	4-16-72	219.33	4,950
07277550	James Wolf Creek tributary near Looxahoma, Miss.	Lat 34°36'45", long 89°50'30", on line between SW¼ sec.28 and NW¼ sec.33, T.5 S., R.6 W., Chickasaw meridian, Tate County, at double 8 x 5 foot box culvert on State Highway 4, 1.2 miles north of Looxahoma, and 7.8 miles east of Senatobia.	.29	1965-72	12- 6-71	3.61	84
07282300	Sabougla Creek tributary at Sabougla, Miss.	Lat 33°46'10", long 89°27'30", in SE¼ sec.16, T.22 N., R.8 E., Choctaw meridian, Calhoun County, at culvert on State Highway 8, 0.5 mile south of Sabougla.	.50	1967-72	3- 7-72	5.73	128
07283490	Caney Creek near Coffeeville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at culvert on State Highway 330, 4.2 miles east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft lower.	1.97	1955-72	3- 2-72	6.66	700
07285100	Tie Plant Branch near Grenada, Miss.	Lat 33°43'40", long 89°47'20", in SE¼NE¼SE¼ sec.32, T.22 N., R.5 E., Choctaw meridian, Grenada County, on U.S. Highway 51, 3.3 miles south of Grenada.	.13	1966-72	6-14-72	4.17	74
07285700	Long Creek near Cascilla, Miss.	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw meridian, Tallahatchie County, at 16 x 12 foot box culvert on county highway, 1.1 miles east of Cascilla.	1.64	1965-72	3- 2-72	7.07	653
07286010	Brushy Creek tributary near Oxberry, Miss.	Lat 33°50'45", long 90°03'10", in NE¼ sec.23, T.23 N., R.2 E., Choctaw meridian, Tallahatchie County, at 24 x 12 foot culvert on State Highway 35, 4.5 miles north of Oxberry.	1.49	1965-72	3- 2-72	4.96	487
07286047	Tippo Bayou tributary at Phillip, Miss.	Lat 33°45'30", long 90°11'30", in NE¼ sec.21, T.22 N., R.1 E., Choctaw meridian, Tallahatchie County, at culvert on State Highway 8, 0.8 mile east of Railroad in Phillip.	.04	1967-72	7-28-72	3.58	12
07286520	Big Sand Creek tributary near North Carrollton, Miss.	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw meridian, Carroll County, at 36-inch corrugated pipe on county highway 2.4 miles east of North Carrollton.	.09	1965-72	7- 3-72	6.28	56
07287050	Palusha Creek tributary near Carrollton, Miss.	Lat 33°28', long 89°57', in SE¼ sec.35, T.19 N., R.3 E., Choctaw meridian, Carroll County, at 8 x 6 foot box culvert on State Highway 17, 3.4 miles south of Carrollton.	.43	1965-72	1- 4-72	3.53	60

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Yazoo River basin--Continued					
07287140	Martin Lake tributary at Sidon, Miss.	Lat 33°27'10", long 90°12'30", in SW¼ sec.4, T.18 N., R.1 E., Choctaw meridian, Leflore County, at culvert on U.S. Highway 49 E., 3.1 miles north of Sidon.	.26	1967-72	6-15-72	5.37	134
07287165	Mosquito Lake tributary No. 1, at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.5 mile south of compress at Itta Bena.	.11	1966-72	7- 3-72	4.33	47
07287170	Mosquito Lake tributary No. 2, at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.8 mile south of compress at Itta Bena.	.13	1966-72	7- 3-72	3.84	56
07287350	Fannegusha Creek near Tchula, Miss.	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw meridian, Holmes County, on State Highway 12, 3 miles east of Tchula.	100	1953-65†, 1968-72	4-26-70 1- 4-72	160.28 156.92	h23,000 9,350
07287505	Broad Lake tributary No. 1 near Yazoo City, Miss.	Lat 32°52'50", long 90°29'40", in SE¼SW¼ sec.15, T.12 N., R.3 W., Choctaw meridian, Yazoo County, on U.S. Highway 49W, 3.6 miles northwest of Yazoo River bridge.	.11	1966-72	2-14-72	4.12	13
07287510	Broad Lake tributary No. 2 near Yazoo City, Miss.	Lat 32°52'45", long 90°29'25", in NW¼NE¼ sec.22, T.12 N., R.3 W., Choctaw meridian, Yazoo County, 3.4 miles northwest of Yazoo River bridge.	.05	1966-72	1972	(c)	(†)
07287520	Short Creek tributary near Yazoo City, Miss.	Lat 32°48'15", long 90°22'20", in NE¼ sec.14, T.11 N., R.2 W., Choctaw meridian, Yazoo County, at double 8 x 8 box culvert on U.S. Highway 49, 3.5 miles southeast of Yazoo City.	1.49	1965-72	1-10-72	8.78	898
07288568	Quiver River tributary near Schlater, Miss.	Lat 33°38'30", long 90°24'30", in SE¼ sec.33, T.21 N., R.2 W., Choctaw meridian, Leflore County, at culvert on State Highway 442, 3.4 miles west of Schlater.	.18	1967-72	1- 4-72	5.28	34
		Big Black River basin					
07289100	Big Black River tributary near Eupora, Miss.	Lat 33°32'00", long 89°17'40", in SW¼ sec.6, T.19 N., R.10 E., Choctaw meridian, Webster County, at double 12 x 5 foot box culvert on U.S. Highway 82, 1.8 miles southwest of Eupora.	2.29	1965-72	5- 7-72	5.82	523
07289225	Downing Branch near French Camp, Miss.	Lat 33°19', long 89°25', in SW¼ sec.24, T.17 N., R.8 E., Choctaw meridian, Choctaw County, at 12 x 12 foot box culvert on State Highway 413, 2.0 miles north of French Camp.	1.74	1965-72	1-10-72	8.42	490
07289268	Hays Creek tributary near Vaiden, Miss.	Lat 33°21'20", long 89°48'00", in NW¼NW¼ sec.8, T.17 N., R.5 E., Choctaw meridian, Carroll County, on State Highway 35, 4.3 miles northwest of Highway 51.	.40	1966-72	1- 4-72	8.01	255
07289395	Sharkey Creek tributary near West, Miss.	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw meridian, Attala County, at culvert on State Highway 19, 4.7 miles southeast of West.	.30	1967-72	1- 4-72	6.93	140
07289470	Tacketts Creek tributary near Pickens, Miss.	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw meridian, Holmes County, at 6 x 6 foot box culvert on State Highway 17, 3.6 miles north of Pickens.	.15	1965-72	1- 4-72	6.84	206
07289600	Tilda Bogue near Canton, Miss.	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw meridian, Madison County, at bridge on U.S. Highway 51, 3 miles north of Canton, and 3.5 miles above mouth.	a24.4	1948-72	1- 4-72	17.85	3,750

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Big Black River basin--Continued					
07289640	Panther Creek near Flora, Miss.	Lat 32°33'57", long 90°10'22", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 6 x 5 foot box culvert on State Highway 22, 8.0 miles northeast of Flora.	.26	1965-72	3- 2-72	6.78	225
07289641	Panther Creek tributary near Flora, Miss.	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 5 x 2.2 foot culvert on State Highway 22, 8.3 miles northeast of Flora.	.07	1965-72	3- 2-72	6.56	123
07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw meridian, Warren County, on county road, 1 mile northeast of Bovina.	f36	1953-72	2- 6-72	21.40	2,640
		Bayou Pierre basin					
07290220	Dry Draw near Brookhaven, Miss.	Lat 31°38'35", long 90°25'50", in NW¼SW¼SW¼ sec.20, T.8 N., R.8 E., Washington meridian, Lincoln County, on U.S. Highway 51, 4.5 miles north of Brookhaven.	0.20	1966-72	12- 6-71	6.05	158
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw meridian, Hinds County, at 12 x 12 foot box culvert on State Highway 27, 6.3 miles southeast of Utica.	1.36	1965-72	7-29-72	7.00	510
07290690	Clarks Creek near Pattison, Miss.	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington meridian, Claiborne County, at bridge on county highway, 1.3 miles above mouth, and 2.5 miles east of Pattison.	77.4	1961-62‡j 1963-72j	3- 2-72	17.14	6,990
07290830	Little Creek near Fayette, Miss.	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington meridian, Jefferson County, at culvert on State Highway 33, 2 miles south of Fayette.	1.71	1967-72	1- 9-72	7.40	451
07290870	Coles Creek near Fayette, Miss.	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington meridian, Jefferson County, at bridge on county highway, 0.7 mile below confluence of North and South Forks of Coles Creek, and 10 miles northwest of Fayette.	257	1961-62‡j 1963-72j	12- 6-71	21.47	22,200
		St. Catherine Creek basin					
07290910	Spanish Bayou at Natchez, Miss.	Lat 31°31'50", long 91°22'25", in sec.46, T.7 N., R.3 W., Washington meridian, Adams County, at culvert on U.S. Highways 84 and 65, at southern city limits of Natchez.	2.59	1967-72	3- 2-72	11.32	1,160
		Homochitto River basin					
07291250	McCall Creek near Lucien, Miss.	Lat 31°30'24", long 90°38'45", in SW¼ sec.6, T.6 N., R.6 E., Washington meridian, Franklin County, at U.S. Highway 84, 0.8 mile east of Lucien.	f60	1953, 1955-72	2-10-66 5- 4-67 12-14-67 12- 6-71	a88.82 a85.43 a84.49 88.70	a13,000 a 7,100 a 5,900 12,200
07291260	Beaver Run near McCall Creek, Miss.	Lat 31°30'30", long 90°43'10", in NW¼NE¼NE¼ sec.8, T.6 N., R.5 E., Washington meridian, Franklin County, at culvert on U.S. Highway 84, 1.4 miles west of McCall Creek. Prior to Oct. 1, 1964, at datum 0.56 ft higher.	2.61	1955-72	12- 6-71	7.35	623
07294400	Observers Draw near Doloroso, Miss.	Lat 31°19'10", long 91°21'20", between secs.10 and 22, T.4 N., R.2 W., Washington meridian, Wilkinson County, at culvert on U.S. Highway 61, 1.3 miles north of Doloroso. Prior to Oct. 1, 1964, at datum 0.80 ft higher.	.22	1954-72	1- 9-72	7.22	213

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Thompson Creek basin					
07373550	Moores Branch near Woodville, Miss.	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington meridian, Wilkinson County, at State Highway 24, 3.3 miles east of Woodville. Prior to Oct. 1, 1964 at datum 0.88 ft lower.	.21	1955-72	3- 2-72	7.08	346
		Mississippi River Delta					
07375235	Tangipahoa River tributary near McComb, Miss.	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington meridian, Pike County, on State Highway 24, 4.8 miles southwest of McComb.	2.71	1966-72	12- 6-71	6.61	424
07376665	Stock Pond Draw near Liberty, Miss.	Lat 31°10'15", long 90°45'20", in NW¼SE¼NE¼ sec.1, T.2 N., R.4 E., Washington meridian, Amite County, on State Highway 24, 3.4 miles east of Liberty.	.38	1966-72	5-12-72	5.35	161
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington meridian, Amite County, on State Highway 48, 6.6 miles west of intersection with Highway 24 in Liberty.	.80	1966-72	12- 6-71	8.32	512

* Also a low-flow partial-record station.
† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Revised.
b Peak stage did not reach bottom of gage.
c High-water mark was not obtained.
d From floodmark.
e Estimated on basis of fragmentary records.
f Approximately.
g Gage height and discharge measurements in files of Corps of Engineers.
h Not previously published.
i Published at site near Howard, 3 miles downstream.
j Corrected.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†); estimates of peak flow by two daggers (††).

Discharge measurements made at miscellaneous sites during water year 1972

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin				
Big Brown Creek	Mackeys Creek	Lat 34°33'35", long 88°26'59", in W½ sec.15, T.6 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 4, 2 miles west of New Site, Miss.	54.1	-	11-17-71 7- 6-72 8-14-72	*a5.20 16.8 22.2
Youngs Creek	Big Brown Creek	Lat 34°33'35", long 88°27'09", in W½ sec.15, T.6 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 4, 2.2 miles west of New Site, Miss.	-	-	7- 6-72 8-14-72	*2.52 *2.30
Big Brown Creek	Mackeys Creek	Lat 34°30'31", long 88°26'04", on sec. line 35 and 2, T. line 6 and 7 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 366, 2 miles east of Marietta, Miss.	64.1	-	10-19-71 11-17-71	*5.36 *a7.98
Little Brown Creek	Big Brown Creek	Lat 34°38'42", long 88°21'26", in center of sec.16, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.2 miles northwest of Burton, Miss.	6.86	-	10-20-71	*2.54
Mackeys Creek	Tombigbee River	Lat 34°38'13", long 88°16'07", in N½ sec.20, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.4 miles south of Paden, Miss.	22.6	-	10-20-71	*15.8
Donivan Creek	Tombigbee River	Lat 34°24'54", long 88°26'26", in E½ sec.3, T.8 S., R.8 E., Chickasaw meridian, Itawamba County, on county road, 3.7 miles southeast of Kirkville, Miss.	36.0	a1962-63	10-19-71 11-18-71	*.748 *a1.18
Twentymile Creek	Tombigbee River	Lat 34°30'34", long 88°36'30", on sec. line 31 and 6, T. line 6 and 7 S., R.7 E., Chickasaw meridian, Prentiss County, on county road near Baldwyn, Miss.	84.5	-	10-20-71	*1.79
Twentymile Creek	Tombigbee River	Lat 34°23'10", long 88°27'40", in center of sec.16, T.8 S., R.8 E., Chickasaw meridian, Itawamba County, on State Highway 371, 4.6 miles north of Mantachie, Miss.	146	a1962-63, a1965	10-19-71 11-18-71	*4.44 *a4.01
Tombigbee River	Mobile River	Lat 34°05'40", long 88°25'50", in SE¼NE¼ sec.26, T.11 S., R.8 E., Chickasaw meridian, Itawamba County, 2 miles northwest of Smithville, Miss.	1,093	a1937-40	3-28-72 5-13-72	2,190 2,760
Town Creek (Formerly published as Oldtown Creek)	Tombigbee River	Lat 34°11'53", long 88°40'57", in SW¼ sec.21, T.10 S., R.6 E., Chickasaw meridian, Lee County, at bridge on county road, 2.2 miles east of Verona, Miss.	263	a1939-44, 1944-47, 1966	9-26-72	12.3
Town Creek	Tombigbee River	Lat 34°09'18", long 88°39'40", in NW¼ sec.3, T.11 S., R.6 E., Chickasaw meridian, Lee County, at bridge on county road, 4 miles southeast of Verona, Miss.	-	-	8-27-72	9.98
Town Creek	Tombigbee River	Lat 34°05'59", long 88°39'11", in NE¼ sec.27, T.11 S., R.6 E., Chickasaw meridian, Lee County, at bridge on U.S. Highways 45 and 278, 3.5 miles southeast of Shannon, Miss.	-	-	8-23-72 8-28-72	12.0 10.2
Town Creek	Tombigbee River	Lat 33°59'23", long 34°32'55", in SE¼ sec.34, T.12 S., R.7 E., Chickasaw meridian, Monroe County, at mouth of Town Creek, 3.5 miles west of Amory, Miss.	-	-	8-25-72 8-25-72	122 70.0
Houlka Creek	Chuquatonchee Creek	Lat 33°56'25", long 89°00'04", in NE¼ sec.20, T.13 S., R.3 E., Chickasaw meridian, Chickasaw County, at bridge on State Highway 15, 2.8 miles north of Houston, Miss.	32.3	1955	6- 6-72	*3.72
Ponta Creek	Sucarnoochee River	Lat 32°34'15", long 88°25'57", in NW¼ sec.2, T.8 N., R.18 E., Choctaw meridian, Lauderdale County, at bridge on county road, 2.5 miles southeast of Tamola, Miss.	-	1968	11-16-71	*37.8

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pascagoula River basin				
West Tallahala Creek	Leaf River	Lat 32°04'14", long 89°17'29", in E½ sec.29, T.3 N., R.10 E., Choctaw meridian, Jasper County, at bridge on county road, 1.8 miles west of Louin, Miss.	-	-	11-16-71	*.737
Leaf River	Pascagoula River	Lat 31°37'09", long 89°19'32", in NW¼ sec.32, T.8 N., R.13 W., St. Stephens meridian, Jones County, at bridge on State Highway 588, 8 miles west of Ellisville, Miss.	b910	1954-57, 1960, 1964-66	11-18-71	*174
Okatoma Creek	Bowie Creek	Lat 31°53'10", long 89°41'56", in NE¼NE¼ sec.32, T.1 N., R.6 E., Choctaw meridian, Simpson County, on county road, 2 miles east of Magee, Miss.	-	1971	12- 6-71	1,310
Okatoma Creek	Bowie Creek	Lat 31°48'03", long 89°40'26", in SE¼SE¼ sec.26, T.10 N., R.17 W., St. Stephens meridian, Simpson County, on bridge on county highway, 400 ft downstream from Illinois Central Railroad bridge, and 0.4 mile northeast of Saratoga, Miss.	85.6	1970-71	8-24-71 11- 1-71	c41.2 *21.1
Okatoma Creek	Bowie Creek	Lat 31°44'03", long 89°37'32", in NE¼ sec.20, T.9 N., R.16 W., St. Stephens meridian, Covington County, on county road, 1.5 miles southeast of Mt. Olive, Miss.	-	-	11-15-71	*77.9
Okatoma Creek	Bowie Creek	Lat 31°37'30", long 89°31'44", in S½ sec.29, T.8 N., R.15 W., St. Stephens meridian, Covington County, on county road, 1 mile southeast of Collins, Miss.	-	-	11-16-71	*77.1
Okatoma Creek	Bowie Creek	Lat 31°33'45", long 89°30'15", in NE¼ sec.21, T.7 N., R.15 W., St. Stephens meridian, Covington County, on State Highway 590, 0.1 mile west of Seminary, Miss.	b200	1961	11-18-71	*92.0
Bowie Creek	Leaf River	Lat 31°20'57", long 89°18'22", in SW¼ sec.33, T.5 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county road, 0.2 mile north of Hattiesburg, Miss.	-	1957	11-15-71	*269
Leaf River	Pascagoula River	Lat 31°15'40", long 89°13'35", in SW¼SW¼ sec.32, T.4 N., R.12 W., St. Stephens meridian, Forrest County, on county road, 2.7 miles southeast of Palmer, Miss.	-	1971	10- 6-71 3-31-72	692 4,390
Tallahala Creek	Leaf River	Lat 31°35'27", long 89°10'00", in NE¼ sec.11, T.7 N., R.12 W., St. Stephens meridian, Jones County, at bridge on State Highway 29, 2 miles southeast of Ellisville, Miss.	466	1953, 1964-65	11-16-71	*77.5
Tallahala Creek	Leaf River	Lat 31°33'36", long 89°11'07", in NE¼ sec.22, T.7 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county road, 2.5 miles south of Ellisville, Miss.	-	-	11-18-71	*44.1
Tallahala Creek	Leaf River	Lat 31°28'43", long 89°10'19", in SW¼ sec.14, T.6 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county road, 6.5 miles southeast of Moselle, Miss.	-	1965	11-19-71	*59.2
Bogue Homo	Leaf River	Lat 31°49'37", long 89°00'04", in NE¼ sec.21, T.10 N., R.10 W., St. Stephens meridian, Jasper County, at bridge on U.S. Highway 11, 2.5 miles northeast of Sandersville, Miss.	-	-	11-16-71	*0.52
Bogue Homo	Leaf River	Lat 31°36'00", long 89°04'13", in S½ sec.2, T.7 N., R.11 W., St. Stephens meridian, Jones County, at bridge on State Highway 15, 2 miles southeast of Tuckers Crossing, Miss.	-	-	11-17-71	*4.77

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pascagoula River basin--Continued				
Bogue Homo	Leaf River	Lat 31°28'48", long 89°02'38", in SW¼ sec.18, T.6 N., R.10 W., St. Stephens meridian, Jones County, at bridge on county road, 0.5 mile west of Ovett, Miss.	-	-	11-17-71	*9.06
Leaf River	Pascagoula River	Lat 31°13'32", long 88°59'29", in NW¼ sec.15, T.3 N., R.10 W., St. Stephens meridian, Perry County, at bridge on county road, 1.5 miles north of Wingate, Miss.	-	-	11-18-71	*780
Thompson Creek	Leaf River	Lat 31°36'57", long 88°52'53", in E½ sec.34, T.8 N., R.9 W., St. Stephens meridian, Wayne County, at bridge on county road, 0.2 mile northeast of Strengthford, Miss.	-	1971	11-15-71	*4.83
Chunky Creek	Chunky River	Lat 32°23'56", long 89°00'58", in SW¼SW¼ sec.31, T.7 N., R.13 E., Choctaw meridian, Newton County, at bridge on county road, 3.5 miles southwest of Center Ridge, Miss.	-	-	11-15-71	*6.87
Tallasher Creek	Chunky Creek	Lat 32°24'59", long 88°59'14", in SE¼ sec.29, T.7 N., R.13 E., Choctaw meridian, Newton County, at bridge on county road, 2 miles southwest of Center Ridge, Miss.	-	-	11-15-71	*15.5
Okahatta Creek	Chunky River	Lat 32°19'30", long 88°59'29", in N½ sec.32, T.6 N., R.13 E., Choctaw meridian, Newton County, at bridge on county road, 3 miles west of Chunky, Miss.	-	-	11-15-71	*12.2
Potterchitto Creek	Chunky River	Lat 32°18'45", long 88°58'27", in SE¼SW¼ sec.33, T.6 N., R.13 E., Choctaw meridian, Newton County, at bridge on county road, 2.5 miles southwest of Chunky, Miss.	-	-	11-15-71	*11.3
Tallahatta Creek	Chunky River	Lat 32°22'15", long 88°54'11", in SE¼ sec.7, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, at bridge on county road, 3 miles northeast of Chunky, Miss.	-	-	11-16-71	*6.13
Chunky River	Chickasawhay River	Lat 32°11'30", long 88°49'30", in NW¼ sec.13, T.4 N., R.14 E., Choctaw meridian, Clarke County, at bridge on U.S. Highway 11, 1 mile north of Enterprise, Miss.	-	1956, 1965-66, 1968	3-21-72 4-25-72 5-31-72	568 211 67.1
Sowashee Creek	Okatibbee Creek	Lat 32°21'18", long 88°41'32", in NW¼ sec.20, T.6 N., R.16 E., Choctaw meridian, Lauderdale County, at bridge on (old) U.S. Highway 45, in Meridian, Miss.	-	-	11-17-71	*9.5
Chickasawhay River	Pascagoula River	Lat 32°02'33", long 88°44'42", in SE¼ sec.3, T.2 N., R.15 E., Choctaw meridian, Clarke County, at bridge on county road, 0.2 mile west of Quitman, Miss.	-	1967	11-18-71	*284
Souinlovey Creek	Chickasawhay River	Lat 32°00'05", long 88°48'06", in SE¼NW¼ sec.19, T.2 N., R.15 E., Choctaw meridian, Clarke County, at bridge on county road, 1.8 miles north of Harmony, Miss.	-	-	11-17-71	*22.0
Chickasawhay River	Pascagoula River	Lat 32°00'38", long 88°43'48", in SE¼ sec.14, T.2 N., R.15 E., Choctaw meridian, Clarke County, at bridge on U.S. Highway 45, 2 miles south of Quitman, Miss.	-	a1939-44, 1961	11-17-71	*310
Chickasawhay River	Pascagoula River	Lat 31°58'21", long 88°42'15", in NW¼ sec.31, T.2 N., R.16 E., Choctaw meridian, Clarke County, at bridge on county road, 0.5 mile east of De Soto, Miss.	-	1967	11-19-71	*404
Chickasawhay River	Pascagoula River	Lat 31°33'15", long 88°33'10", in SE¼ sec.23, T.7 N., R.6 W., St. Stephens meridian, Wayne County, at bridge on county road, 1.3 miles northwest of Buckatunna, Miss.	-	-	11-16-71	*522

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pascagoula River basin--Continued				
Hurricane Creek	Buckatunna Creek	Lat 32°15'29", long 88°27'23", in NE¼ sec.21, T.5 N., R.18 E., Choctaw meridian, Lauderdale County, at bridge on State Highway 19, 2 miles southeast of Whynot, Miss.	-	-	11-16-71	0
Buckatunna Creek	Chickasawhay River	Lat 32°02'22", long 88°34'01", in SW¼ sec.4, T.2 N., R.17 E., Choctaw meridian, Clarke County, at bridge on county road, 3 miles north of Mannassa, Miss.	-	-	11-18-71	*21.5
Buckatunna Creek	Chickasawhay River	Lat 31°47'52", long 88°29'15", in NW¼ sec.33, T.10 N., R.5 W., St. Stephens meridian, Wayne County, at bridge on county road, 6 miles southeast of Matherville, Miss.	-	-	11-15-71	*46.9
Chickasawhay River	Pascagoula River	Lat 31°00'50", long 88°42'30", in SE¼ sec.29, T.1 N., R.7 W., St. Stephens meridian, Greene County, at bridge on U.S. Highway 98, 9 miles northwest of Lucedale, Miss.	-	-	11-18-71	*787
Black Creek	Pascagoula River	Lat 31°24'40", long 89°38'50", in SW¼ sec.7, T.5 N., R.16 W., St. Stephens meridian, Lamar County, at bridge on county road, 2.5 miles south of Melba, Miss.	-	-	3- 2-71 12- 6-71	c469 1,500
Black Creek	Pascagoula River	Lat 31°21'52", long 89°35'54", in SW¼ sec.27, T.5 N., R.16 W., St. Stephens meridian, Lamar County, at bridge on county road, 4.3 miles southwest of Coral, Miss.	-	-	3- 2-71	c563
Black Creek	Pascagoula River	Lat 31°18'45", long 89°32'32", in NE¼ sec.18, T.4 N., R.15 W., St. Stephens meridian, Lamar County, at bridge on county road, 6 miles southwest of Clyde, Miss.	-	-	12- 6-71	795
Black Creek	Pascagoula River	Lat 31°14'47", long 89°27'32", in SE¼ sec.1, T.3 N., R.15 W., St. Stephens meridian, Lamar County, at bridge on State Highway 589, 7.5 miles northwest of Purvis, Miss.	b103	1961-62, 1964	11-16-71	36.0
Black Creek	Pascagoula River	Lat 31°11'25", long 89°22'36", in SW¼ sec.26, T.3 N., R.14 W., St. Stephens meridian, Lamar County, on U.S. Highway 11, 4 miles northeast of Purvis, Miss.	154	1957-59, 1961, 1963, 1966-67	10- 4-71	84.5
Black Creek	Pascagoula River	Lat 31°06'53", long 89°17'47", in SW¼ sec.22, T.2 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county highway, 6 miles southwest of McLaurin, Miss.	-	-	10- 4-71 11-15-71	113 102
Boggy Hollow Creek	Little Black Creek	Lat 31°05'07", long 89°25'00", on line between secs.32 and 33, T.2 N., R.14 W., St. Stephens meridian, Lamar County, at bridge on U.S. Highway 11, 5.9 miles north of Lumberton, Miss.	22.4	1953-57, 1963, 1966	10- 4-71	*18.5
Little Black Creek	Black Creek	Lat 31°06'12", long 89°18'52", in SW¼ sec.28, T.2 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county road, 5.5 miles southeast of Purvis, Miss.	-	-	10- 4-71	*52.0
Little Beaver Creek	Little Black Creek	Lat 31°06'12", long 89°18'48", in SW¼ sec.21, T.2 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county road, 4.8 miles east of Purvis, Miss.	-	-	10- 4-71	*6.09
Black Creek	Pascagoula River	Lat 30°59'40", long 89°03'02", in NW¼ sec.1, T.1 S., R.11 W., St. Stephens meridian, Perry County, at bridge on State Highway 29, 2 miles south of Janice, Miss.	471	1945-46, 1954, 1960	11-16-71	218
Beaverdam Creek	Black Creek	Lat 30°58'17", long 89°03'24", in SE¼ sec.11, T.1 S., R.11 W., St. Stephens meridian, Perry County, at bridge on State Highway 29, 3 miles south of Janice, Miss.	-	1960	11-16-71	*39.2

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pascagoula River basin--Continued				
Black Creek	Pascagoula River	Lat 30°46'50", long 88°45'40", in SW¼ sec.14, T.3 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 57, 7.6 miles south of Benndale, Miss.	b760	1958-61, 1963-64	11-17-71 2-24-72	332 1,450
Red Creek	Black Creek	Lat 30°47'32", long 89°08'10", in NW¼ sec.18, T.3 S., R.11 W., St. Stephens meridian, Stone County, at bridge on U.S. Highway 49, 0.5 mile north of Perkinston, Miss.	218	1942-43, 1945-46, 1953-57, 1960, 1964,	11-17-71 2-23-72	90.1 303
Flint Creek	Red Creek	Lat 30°50'40", long 89°04'30", in SE¼ sec.27, T.2 S., R.11 W., St. Stephens meridian, Stone County, at bridge on State Highway 26, 3.8 miles east of Wiggins, Miss.	24.8	1957-69, 1971	11-17-71	45.3
Red Creek	Black Creek	Lat 30°46'14", long 89°03'27", in SE¼ sec.23, T.3 S., R.11 W., St. Stephens meridian, Stone County, at bridge on county road, 5 miles east of Perkinston, Miss.	-	-	11-17-71	188
Pascagoula River	Gulf of Mexico	Lat 30°36'42", long 88°38'30", in N½ sec.38, T.5 S., R.7 W., St. Stephens meridian, Jackson County, at bridge on county road, at Graham Ferry, Miss.	8,150	1958-59, 1961, 1971	11-17-71	2,680
Escatawpa River	Pascagoula River	Lat 30°48'30", long 88°27'42", in SW¼SW¼ sec.2, T.3 S., R.5 W., St. Stephens meridian, George County, at bridge on county road, 3.3 miles east of Agricola, Miss.	-	a1966	11-18-71	188
Escatawpa River	Pascagoula River	Lat 30°37'45", long 88°26'00", in NE¼ sec.12, T.5 S., R.5 W., St. Stephens meridian, Jackson County, at bridge on county road, 4.2 miles southeast of Hurley, Miss.	639	1952, 1958-64, 1966	11-18-71 8-16-72	253 240
		Tchoutacabouffa River basin				
Tuxachanie Creek	Tchoutacabouffa River	Lat 30°36'02", long 88°58'22", in NE¼ sec.22, T.5 S., R.10 W., St. Stephens meridian, Harrison County, at bridge on county road, 10 miles east of Saucier, Miss.	-	-	9-12-72	*1.16
Tuxachanie Creek	Tchoutacabouffa River	Lat 30°34'33", long 88°56'18", in SE¼ sec.25, T.5 S., R.10 W., St. Stephens meridian, Harrison County, at point 2.3 miles downstream from mouth of Camp Creek and 2.5 miles upstream from mouth of Hester Creek, near Biloxi, Miss.	-	-	9-22-72	*1.04
Tuxachanie Creek	Tchoutacabouffa River	Lat 30°32'40", long 88°57'05", in SE¼SE¼ sec.2, T.6 S., R.10 W., St. Stephens meridian, Harrison County, on county road at White Plains Church near Biloxi, Miss.	-	-	9-12-72	*4.87
		Biloxi River basin				
Biloxi River	Gulf of Mexico	Lat 30°37'45", long 89°10'06", in NW¼ sec.11, T.5 S., R.12 W., St. Stephens meridian, Harrison County, at bridge on county road, 2 miles west of Saucier, Miss.	-	-	9-26-72	*1.82
Biloxi River	Gulf of Mexico	Lat 30°35'55", long 89°10'58", in NW¼ sec.22, T.5 S., R.12 W., St. Stephens meridian, Harrison County, at bridge on county road, 3 miles southwest of Saucier, Miss.	82.5	-	9-26-72	*2.44
Biloxi River	Gulf of Mexico	Lat 30°29'52", long 89°02'47", in NW¼ sec.25, T.6 S., R.11 W., St. Stephens meridian, Harrison County, just upstream from mouth of Little Biloxi River, 4 miles east of Lyman, Miss.	162	-	9-21-72	*17.0

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Wolf River basin				
Wolf River	Gulf of Mexico	Lat 30°24'53", long 89°12'13", in SW¼ sec.21, T.7 S., R.12 W., St. Stephens meridian, Harrison County, at bridge on Interstate Highway 10, 5 miles northwest of Gulfport, Miss.	-	-	9-28-72	193
		Pearl River basin				
Yockanookany River	Pearl River	Lat 33°18'52", long 89°11'30", in NW¼ sec.30, T.17 N., R.11 E., Choctaw meridian, Choctaw County, at bridge on State Highway 12, 0.5 mile west of Ackerman, Miss.	-	1965	10-15-71 6- 5-72	*1.59 *1.27
Yockanookany River	Pearl River	Lat 33°16'17", long 89°17'16", in SE¼ sec.5, T.16 N., R.10 E., Choctaw meridian, Choctaw County, at bridge on State Highway 407, at Weir, Miss.	-	1971	10-15-71	*5.33
Pearl River	Gulf of Mexico	Lat 32°10'40", long 90°14'35", in NW¼ sec.19, T.4 N., R.1 E., Choctaw meridian, Hinds County, at bridge on county road, 0.2 mile southeast of Byram, Miss.	b3,430	1939, 1964	5-16-72 6- 7-72 8-30-72	3,670 311 364
Pearl River	Gulf of Mexico	Lat 32°05'39", long 90°13'37", in SW¼ sec.17, T.3 N., R.1 E., Choctaw meridian, Hinds County, on county highway, 3.5 miles east of Terry, Miss.	-	1964, 1966	5-17-72 8-31-72	3,320 374
Pearl River	Gulf of Mexico	Lat 31°59'46", long 90°13'26", in SE¼ sec.20, T.2 N., R.1 E., Choctaw meridian, Copiah County, on county highway, 1 mile east of Gatesville, Miss.	-	1964, 1966	5-17-72 9- 1-72	3,120 385
Pearl River	Gulf of Mexico	Lat 31°52'30", long 90°08'18", in SW¼ sec.31, T.1 N., R.2 E., Choctaw meridian, Copiah County, on State Highway 28, 2 miles east of Georgetown, Miss.	3,790	1939, 1964, 1966-67, 1971	2-25-72 5-17-72 9- 3-72	5,580 3,430 195
Fair River	Pearl River	Lat 31°37'03", long 90°07'48", in SE¼ sec.31, T.8 N., R.11 E., Washington meridian, Lawrence County, on State Highway 27, 4.5 miles north of Monticello, Miss.	b85	1955-56, 1959-60, 1964, 1966-67, 1969-71	8-10-72	32.4
Pearl River	Gulf of Mexico	Lat 31°37'05", long 90°05'20", in SW¼ sec.35, T.8 N., R.21 W., St. Stephens meridian, Lawrence County, at St. Regis Paper Company, 2 miles east of Rosella, Miss.	-	1969-71	8-10-72	541
Silver Creek	Pearl River	Lat 31°43'47", long 89°58'04", in SW¼ sec.24, T.9 N., R.20 W., St. Stephens meridian, Jefferson Davis County, at bridge on State Highway 42, 0.6 mile east of Newhebron, Miss.	-	-	12- 6-71	1,840
Pearl River	Gulf of Mexico	Lat 31°14',long 89°51', in E½ sec.7, T.3 N., R.18 W., St. Stephens meridian, Marion County, at bridge on U.S. Highway 98, 1.5 miles southwest of Columbia, Miss.	b5,690	1928-54* 1955, 1958, 1960-64, 1966-67	10-14-71	1,720
Bogue Chitto	Pearl River	Lat 31°33', long 90°23', in SW¼ sec.26, T.7 N., R.7 E., Washington meridian, Lincoln County, at bridge on U.S. Highway 84, 2.5 miles southwest of Brookhaven, Miss.	b30	1952-70	12- 6-71	4,240
Bogue Chitto	Pearl River	Lat 31°20', long 90°26', SE¼ sec.6, T.4 N., R.8 E., Washington meridian, Pike County, at bridge on county road, 1.6 miles southeast of Johnstons Station, Miss.	-	1971	11- 1-71 12- 7-71	62.0 †21,900
Bogue Chitto	Pearl River	Lat 31°17'46", long 90°23'46", on line between secs.21 and 22, T.4 N., R.8 E., Washington meridian, Pike County, at bridge on State Highway 570, 4.5 miles east of Summit, Miss.	-	1965, 1971	11- 3-71 12- 7-71	79.6 †23,000
Bogue Chitto	Pearl River	Lat 31°12'27", long 90°18'20", in SW¼ sec.21, T.3 N., R.9 E., Washington meridian, Pike County, at bridge on county road, at Holmesville, Miss.	-	-	11- 5-71	129

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pearl River basin--Continued				
Bogue Chitto	Pearl River	Lat 31°07'00", long 90°15'11", in NW¼ sec.25, T.2 N., R.9 E., Washington meridian, Walthall County, at bridge on State Highway 48, 6 miles west of Tylertown, Miss.	-	-	12- 8-71	†23,600
West Hobolochitto Creek	Hobolochitto Creek	Lat 30°48'00", long 89°39'15", in NE¼SW¼ sec. 12, T.3 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on State Highway 26, 7.5 miles southwest of Poplarville, Miss.	b92	1961-62, 1964	5-12-72	5,510
		Tennessee River basin				
Cripple Deer Creek	Bear Creek	Lat 34°41'54", long 88°13'14", in SW¼ sec.26, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 4.2 miles north of Tishomingo, Miss.	11.1	1953-57, 1959-60	10-20-71 11-16-71	*.406 a1.65
Chambers Creek	Tennessee River	Lat 34°58'36", long 88°23'05", in SE¼ sec.19, T.1 S., R.9 E., Chickasaw meridian, Alcorn County, on county road, 0.5 mile north of Kendrick, Miss.	21.1	1942-54	10-21-71	*2.15
Sevenmile Creek	Chambers Creek	Lat 34°57'36", long 88°22'55", on line between SW¼ sec.29 and SE¼ sec.30, T.1 S., R.9 E., Chickasaw meridian,Alcorn County, on county road, 0.7 mile south of Kendrick, Miss.	16.4	-	10-21-71	*4.23
		Hatchie River basin				
Clear Creek	Hatchie River	Lat 34°43'17", long 88°46'15", in E½ sec.22, T.4 S., R.5 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 10 miles east of Ripley, Miss.	-	1953	10-20-71	*11.1
Hinkle Creek	Tuscumbia River	Lat 34°46'26", long 88°33'37", on line between secs.33 and 34, T.3 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on U.S. Highway 45, 2 miles west of Rienzi, Miss.	-	1953, 1955-57	6-13-72	*.057
Mays Creek	Tuscumbia River	Lat 34°51'04", long 88°33'32", on line between secs.3 and 4, T.3 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on U.S. Highway 45, 1 mile north of Biggersville, Miss.	-	1953, 1955-57	10-21-71	*0.223
Tuscumbia River	Hatchie River	Lat 34°55'52", long 88°35'49", on line between secs.6 and 7, T.2 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on U.S. Highway 72, 4 miles west of Corinth, Miss.	-	1953, 1955-57, 1959-60	6-13-72	26.9
		Yazoo River basin				
Little Tallahatchie River	Yazoo River	Lat 34°34'36", long 88°53'39", in NE¼ sec.8, T.6 S., R.4 E., Chickasaw meridian, Union County, at bridge on county road, 9 miles northeast of New Albany, Miss.	23.9	1939-41	10-20-71	*15.0
Tippah River	Little Tallahatchie River	Lat 34°35'51", long 89°21'01", on line between sec.6, T.6 S., and sec.31, T.5 S., R.1 W., Chickasaw meridian, Marshall County, at bridge on county road, 4 miles southwest of Potts Camp, Miss.	359	1958, 1969	10-21-71 6-14-72	146 130
Coldwater River	Little Tallahatchie River	Lat 34°54'22", long 89°45'10", in SW¼ sec.17, T.2 S., R.5 W., Chickasaw meridian, De Soto County, 5 miles southeast of Olive Branch, Miss.	191	1954, 1956, 1959, 1966, 1969	6-14-72	41.7
Pigeonroost Creek	Coldwater River	Lat 34°45'35", long 89°41'45", in SE¼ sec.2, T.4 S., R.5 W., Chickasaw meridian, Marshall County, on county road, 8.0 miles south of Byhalia, Miss.	116	1940-42 1971	10-19-71	39.9
Turkey Creek	Skuna River	Lat 33°58'04", long 89°39'51", in NW¼ sec.10 (revised), T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at bridge on State Highway 330, at city limits of Coffeeville, Miss.	66.4	1957	10-14-71 6- 7-72	9.79 11.0

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pearl River basin--Continued						
Bogue Chitto	Pearl River	Lat 31°07'00", long 90°15'11", in SW¼ sec.25, T.2 N., R.9 E., Washington meridian, Walthall County, at bridge on State Highway 48, 6 miles west of Tylertown, Miss.	-	-	12- 8-71	†23,600
West Hobolochitto Creek	Hobolochitto Creek	Lat 30°48'00", long 89°39'15", in NE¼SW¼ sec. 12, T.3 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on State Highway 26, 7.5 miles southwest of Poplarville, Miss.	b92	1961-62, 1964	5-12-72	5,510
Tennessee River basin						
Cripple Deer Creek	Bear Creek	Lat 34°41'54", long 88°13'14", in SW¼ sec.26, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 4.2 miles north of Tishomingo, Miss.	11.1	1953-57, 1959-60	10-20-71 11-16-71	*.406 a1.65
Chambers Creek	Tennessee River	Lat 34°58'36", long 88°23'05", in SE¼ sec.19, T.1 S., R.9 E., Chickasaw meridian, Alcorn County, on county road, 0.5 mile north of Kendrick, Miss.	21.1	1942-54	10-21-71	*2.15
Sevenmile Creek	Chambers Creek	Lat 34°57'36", long 88°22'55", on line between SW¼ sec.29 and SE¼ sec.30, T.1 S., R.9 E., Chickasaw meridian,Alcorn County, on county road, 0.7 mile south of Kendrick, Miss.	16.4	-	10-21-71	*4.23
Hatchie River basin						
Clear Creek	Hatchie River	Lat 34°43'17", long 88°46'15", in E½ sec.22, T.4 S., R.5 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 10 miles east of Ripley, Miss.	-	1953	10-20-71	*11.1
Hinkle Creek	Tuscumbia River	Lat 34°46'26", long 88°33'37", on line between secs.33 and 34, T.3 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on U.S. Highway 45, 2 miles west of Rienzi, Miss.	-	1953, 1955-57	6-13-72	*.057
Mays Creek	Tuscumbia River	Lat 34°51'04", long 88°33'32", on line between secs.3 and 4, T.3 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on U.S. Highway 45, 1 mile north of Biggersville, Miss.	-	1953, 1955-57	10-21-71	*0.223
Tuscumbia River	Hatchie River	Lat 34°55'52", long 88°35'49", on line between secs.6 and 7, T.2 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on U.S. Highway 72, 4 miles west of Corinth, Miss.	-	1953, 1955-57, 1959-60	6-13-72	26.9
Yazoo River basin						
Little Tallahatchie River	Yazoo River	Lat 34°34'36", long 88°53'39", in NE¼ sec.8, T.6 S., R.4 E., Chickasaw meridian, Union County, at bridge on county road, 9 miles northeast of New Albany, Miss.	23.9	1939-41‡	10-20-71	*15.0
Tippah River	Little Tallahatchie River	Lat 34°35'51", long 89°21'01", on line between sec.6, T.6 S., and sec.31, T.5 S., R.1 W., Chickasaw meridian, Marshall County, at bridge on county road, 4 miles southwest of Potts Camp, Miss.	359	1958, 1969	10-21-71 6-14-72	146 130
Coldwater River	Little Tallahatchie River	Lat 34°54'22", long 89°45'10", in SW¼ sec.17, T.2 S., R.5 W., Chickasaw meridian, De Soto County, 5 miles southeast of Olive Branch, Miss.	191	1954, 1956, 1959, 1966, 1969	6-14-72	41.7
Pigeonroost Creek	Coldwater River	Lat 34°45'35", long 89°41'45", in SE¼ sec.2, T.4 S., R.5 W., Chickasaw meridian, Marshall County, on county road, 8.0 miles south of Byhalia, Miss.	116	1940-42‡ 1971	10-19-71	39.9
Turkey Creek	Skuna River	Lat 33°58'04", long 89°39'51", in NW¼ sec.10 (revised), T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at bridge on State Highway 330, at city limits of Coffeeville, Miss.	66.4	1957	10-14-71 6- 7-72	9.79 11.0

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
Durden Creek	Turkey Creek	Lat 33°58'25", long 89°40'13", in SE¼ sec.4 T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at bridge on State Highway 303, at Coffeeville, Miss.	-	-	10-14-71	*6.61
		Big Black River basin				
Hays Creek	Big Black River	Lat 33°28'13", long 89°43'09", in NE¼ sec.36, T.19 N., R.5 E., Choctaw meridian, Montgomery County, at bridge on State Highway 407, 0.5 mile southeast of Winona, Miss.	-	-	10-13-71	*0.81
May Creek	Roby Creek	Lat 32°57'35", long 89°46'04", in SE¼ sec.22, T.13 N., R.5 E., Choctaw meridian, Attala County, at bridge on State Highway 429, 1.5 miles north of Newport, Miss.	3.78	-	1-10-72	d2,270
Roby Creek	Seneasha Creek	Lat 32°56'02", long 89°48'25", in SE¼ sec.32, T.13 N., R.5 E., Choctaw meridian, Attala County, at bridge on State Highway 14, 2.5 miles west of Newport, Miss.	-	-	1-10-72	d8,300
Big Black River	Mississippi River	Lat 32°44'06", long 90°03'00", in SW¼ sec.1, T.10 N., R.2 E., Choctaw meridian, Madison and Yazoo counties, at bridge on Interstate Highway 55, 1 mile southwest of Way, Miss.	-	1965	1-11-72	†35,100
Big Black River	Mississippi River	Lat 32°42'26", long 90°05'39", in sec.16, T.10 N., R.2 E., Choctaw meridian, Madison County, on State Highway 16, 6.8 miles northwest of Canton, Miss.	1,820	1959-60, 1962, 1964, 1966, 1969, 1970-71	1-11-72	†33,120
Big Black River	Mississippi River	Lat 32°04'53", long 90°55'36", in SE¼ lot 42, T.13 N., R.3 E., Washington meridian, Claiborne County, at bridge on U.S. Highway 61, 9 miles north of Port Gibson, Miss.	b3,300	1962, 1964-67	1-14-72	†36,600
		Mississippi River Delta				
East Fork Amite River	Amite River	Lat 31°05'54", long 90°43'00", in NE¼ sec.32 (revised), T.2 N., R.5 E., Washington meridian, Amite County, at bridge on State Highway 584 near Peoria, Miss.	183	1966	12- 6-71	†13,100
West Fork Amite River	Amite River	Lat 31°15'24", long 90°48'15", in NE¼ sec.4, T.3 N., R.4 E., Washington meridian, Amite County, at bridge on county road, 7 miles north of Liberty, Miss.	-	-	12- 6-71	†12,400
West Fork Amite River	Amite River	Lat 31°14'29", long 90°50'27", in NE¼ sec.7, T.3 N., R.4 E., Washington meridian, Amite County, at bridge on State Highway 567, 6 miles north of Liberty, Miss.	-	-	12- 6-71	†13,900

‡ Operated as a continuous-record gaging station.
a Data furnished by and in files of Corps of Engineers, Mobile District.
b Approximately.
c Not previously published.
d Indirect discharge measurement.

Measurements in Tennessee-Tombigbee Study Area, Mississippi
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin				
02429706 Big Brown Creek	Mackeys Creek	Lat 34°42'10", long 88°26'00", in SW¼ sec.26, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles north of Altitude, Miss.	1.29	-	10-19-71 11-16-71	0.06 .16
02429710 Big Rock Hollow	Big Brown Creek	Lat 34°43'00", long 88°26'06", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 3.4 miles north of Altitude, Miss.	1.06	-	10-19-71	.26
02429713 Yarber Branch	Big Rock Hollow	Lat 34°42'58", long 88°26'11", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 3.4 miles north of Altitude, Miss.	.47	-	10-19-71	.20
02429718 Big Rock Hollow	Big Brown Creek	Lat 34°42'08", long 88°26'08", in SW¼ sec.26, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles north of Altitude, Miss.	2.93	-	10-19-71 11-16-71	.61 .69
02429725 Heading Mill Hollow	Big Brown Creek	Lat 34°42'13", long 88°25'38", in center of sec.26, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.6 miles north of Altitude, Miss.	3.88	-	10-19-71 11-16-71	.52 .87
02429730 Big Brown Creek tributary	Big Brown Creek	Lat 34°41'31", long 88°26'19", in NE¼ sec.34, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.6 miles north of Altitude, Miss.	.85	-	10-19-71 11-16-71	.06 .10
02429735 Big Brown Creek	Mackeys Creek	Lat 34°40'11", long 88°25'48", in SW¼ sec.2, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.7 mile east of Altitude, Miss.	11.3	-	10-19-71 11-16-71	1.36 1.90
02429737 Big Brown Creek tributary No.2	Big Brown Creek	Lat 34°40'14", long 88°25'42", in S½ sec.2, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.9 mile east of Altitude, Miss.	.21	-	10-19-71	0
02429742 North Channel of East Prong	East Prong	Lat 34°41'11", long 88°23'22", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 3.3 miles northeast of Altitude, Miss.	1.53	-	10-19-71 11-16-71	.15 .18
02429743 Middle Channel of East Prong	East Prong	Lat 34°41'08", long 88°23'20", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 3.3 miles northeast of Altitude, Miss.	.12	-	10-19-71 11-16-71	.004 .009
02429745 South Channel of East Prong	East Prong	Lat 34°41'04", long 88°23'19", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 3.3 miles northeast of Altitude, Miss.	.20	-	10-19-71 11-16-71	.04 .04
02429750 East Prong	Big Brown Creek	Lat 34°40'49", long 88°24'18", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles northeast of Altitude, Miss.	4.93	-	10-19-71 11-16-71	.20 .21
02429752 East Prong tributary	East Prong	Lat 34°40'50", long 88°24'22", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles northeast of Altitude, Miss.	.29	-	10-19-71	0
02429754 East Prong tributary No.2	East Prong	Lat 34°40'47", long 88°24'44", in N½ sec.1, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 1.9 miles northeast of Altitude, Miss.	.14	-	10-19-71	0
02429755 East Prong tributary No.3	East Prong	Lat 34°40'37", long 88°24'57", in W½ sec.1, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 1.6 miles northeast of Altitude, Miss.	.10	-	10-19-71	0

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02429757 East Prong tributary No. 4	East Prong	Lat 34°40'27", long 88°25'16", in E½ sec.2, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 1.3 miles northeast of Altitude, Miss.	0.19	-	10-19-71	0
02429764 Big Brown tributary No. 3	Big Brown Creek	Lat 34°40'07", long 88°25'56", in SW¼ sec.2, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.6 mile east of Altitude, Miss.	.62	-	10-19-71	0
02429930 Big Brown Creek	Mackeys Creek	Lat 34°29'27", long 88°26'13", in NE¼ sec.10, T.7 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.9 miles southeast of Marietta, Miss.	85.8	1962-63	10-20-71 11-17-71	6.5 9.0
02429931 Big Brown Creek tributary	Big Brown Creek	Lat 34°29'26", long 88°26'23", in NE¼ sec.10, T.7 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles southeast of Marietta, Miss.	2.91	-	10-20-71	.01
02429932 Big Brown Creek tributary No. 2	Big Brown Creek	Lat 34°29'26", long 88°26'30", in NE¼ sec.10, T.7 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.7 miles southeast of Marietta, Miss.	.63	-	10-20-71	.03
024299324 Big Brown Creek tributary No. 3	Big Brown Creek	Lat 34°29'30", long 88°25'36", in NW¼ sec.11, T.7 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.2 miles southeast of Marietta, Miss.	2.20	-	10-20-71	0
024299326 Big Brown Creek tributary No. 4	Big Brown Creek	Lat 34°29'29", long 88°26'02", in NW¼ sec.11, T.7 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.1 miles southeast of Marietta, Miss.	.21	-	10-20-71	0
02429933 Little Brown Creek	Big Brown Creek	Lat 34°38'40", long 88°21'24", in center of sec.9, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles northwest of Burton, Miss.	1.39	-	10-19-71 11-16-71	.32 .39
024299332 Little Brown Creek tributary	Little Brown Creek	Lat 34°39'40", long 88°21'20", in center of sec.9, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles northwest of Burton, Miss.	.31	-	10-19-71 11-16-71	.18 .16
024299333 Little Brown Creek tributary No. 2	Little Brown Creek	Lat 34°39'40", long 88°21'12", in E½ sec.9, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.7 miles northwest of Burton, Miss.	.05	-	10-19-71	0
02429934 Little Brown Creek tributary No. 3	Little Brown Creek	Lat 34°39'27", long 88°20'44", in SW¼ sec.10, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.3 miles north of Burton, Miss.	3.28	-	10-19-71 11-16-71	1.27 1.65
024299348 Little Brown Creek tributary No. 4	Little Brown Creek	Lat 34°39'27", long 88°20'44", in W½ sec.10, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.4 miles north of Burton, Miss.	.77	-	10-19-71 11-16-71	.22 .26
02429938 Little Brown Creek tributary No. 5	Little Brown Creek	Lat 34°39'28", long 88°21'49", in SW¼ sec.9, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.9 miles northwest of Burton, Miss.	.46	-	10-19-71	.004 (est.)
02429942 Little Brown Creek	Big Brown Creek	Lat 34°37'29", long 88°21'50", on line between SW¼ sec.21 and NW¼ sec.28, T.5 S., R.9 E., Chickasaw meridian, Prentiss County on State Highway 30, 1.6 miles east of New Hope, Miss.	10.1	-	10-20-71 10-17-71	3.32 4.24
02429943 Little Brown Creek tributary	Little Brown Creek	Lat 34°37'30", long 88°21'40", in NW¼ sec.28, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.7 miles east of New Hope, Miss.	.15	-	10-20-71	.03

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02429944 Little Brown Creek tributary No. 2	Little Brown Creek	Lat 34°37'29", long 88°21'56", in corner of secs. 20, 21, 28, 29, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.5 miles east of New Hope, Miss.	0.06	-	10-20-71	0
02429945 Lacy Creek	Little Brown Creek	Lat 34°39'40", long 88°22'38", in W½ sec.8, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 2.7 miles northwest of Burton, Miss.	.79	-	10-19-71	0
02429946 Lacy Creek tributary	Lacy Creek	Lat 34°39'38", long 88°22'25", in E½ sec.8, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 2.5 miles northwest of Burton, Miss.	.06	-	10-19-71	0
02429947 Lacy Creek	Little Brown Creek	Lat 34°37'29", long 88°22'04", on sec. line 29-20, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.4 miles east of New Hope, Miss.	2.82	-	10-20-71	0.10
02429948 Little Brown Creek tributary No. 3	Little Brown Creek	Lat 34°37'29", long 88°22'14", on sec. line 29-20, in T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.2 miles east of New Hope, Miss.	.21	-	10-20-71	0
02429949 Little Brown Creek	Big Brown Creek	Lat 34°32'14", long 88°24'02", in NW¼ sec.30 T.6 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 4, 1.9 miles south of New Site, Miss.	21.1	-	10-20-71 11-17-71	7.83 10.2
02429950 Little Brown Creek	Big Brown Creek	Lat 34°29'39", long 88°25'23", on sec. line 2-11, in T.7 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.6 miles southeast of Marietta, Miss.	33.2	-	10-20-71	.42
02429955 Little Brown Creek tributary	Little Brown Creek	Lat 34°32'28", long 88°24'15", in SE¼ sec.24, T.6 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 4, 1.5 miles south of New Site, Miss.	21.0	-	10-20-71 11-17-71	1.79 2.42
02429956 Little Brown Creek tributary No. 2	Little Brown Creek	Lat 34°32'20", long 88°24'38", in S½ sec.24, T.6 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.6 mlies south of New Site, Miss.	.83	-	10-20-71	.06
02429958 Sapling Creek	West Fork Little Brown Creek	Lat 34°32'15", long 88°24'48", in NW¼ sec.25, T.6 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.7 miles south of New Site, Miss.	2.66	-	10-20-71	.08
02429959 Sapling Creek tributary	Sapling Creek	Lat 34°32'10", long 88°24'58", in NW¼ sec.25, T.6 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles south of New Site, Miss	.20	-	10-20-71	0
02429961 Little Brown Creek tributary	Little Brown Creek	Lat 34°29'30", long 88°25'48", in NW¼ sec.11, T.7 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.3 miles southeast of Marietta, Miss.	1.99	-	10-20-71	1.44
02429969 Burgess Creek	Mackeys Creek	Lat 34°41'42", long 88°17'32", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 3.0 miles northwest of Paden, Miss.	1.05	-	10-19-71 11-16-71	.33 .40
02429970 Mackeys Creek tributary	Mackeys Creek	Lat 34°41'28", long 88°17'20", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.7 miles northwest of Paden, Miss.	.39	-	11-16-71	.06
02429972 Hurricane Creek	Mackeys Creek	Lat 34°40'16", long 88°18'08", in SE¼ sec.1, T.5 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 2.3 miles northwest of Paden, Miss.	.69	-	10-19-71 11-16-71	.04 .05

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02429973 Hurricane Creek tributary	Hurricane Creek	Lat 34°40'14", long 88°17'24", in SW¼ sec.6, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.7 miles northwest of Paden, Miss.	0.90	-	10-19-71 11-16-71	0.05 .11
02429975 Black Branch	Mackeys Creek	Lat 34°39'53", long 88°16'00", in N½ sec.8, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Illinois Central Railroad bridge, 0.5 mile north of Paden, Miss.	1.40	-	10-19-71 11-16-71	.31 .57
02429977 Panther Creek	Mackeys Creek	Lat 34°39'34", long 88°15'37", on sec. line 8-9, in T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 0.3 mile east of Paden, Miss.	2.76	-	10-19-71 11-17-71	1.80 2.51
02429978 King Creek North Fork	King Creek	Lat 34°38'21", long 88°14'04",in SW¼ sec.15, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on old State Highway 30, 2 miles northwest of Tishomingo, Miss.	1.78	-	10-19-71 11-16-71	.36 .86
02429979 King Creek South Fork	King Creek	Lat 34°38'15", long 88°14'09", in NW¼ sec.22, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 0.2 mile west of Tishomingo, Miss.	3.51	-	10-19-71 11-16-71	1.46 2.19
024299792 King Creek tributary	King Creek	Lat 34°38'29", long 88°14'48", in SE¼ sec.16, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 0.9 mile northwest of Tishomingo, Miss.	.15	-	10-20-71	.29
024299794 King Creek tributary No. 2	King Creek	Lat 34°38'28", long 88°15'03", in S½ sec.16, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.1 miles northwest of Tishomingo, Miss.	.08	-	10-20-71	.05
02429980 Pollard Mill Branch	Mackeys Creek	Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 30, 0.9 mile east of Paden, Miss.	2.05	1967-71	10-19-71 11-16-71	2.40 2.78
024299814 Mackeys Creek tributary No.2	Mackeys Creek	Lat 34°38'26", long 88°15'34", in SW¼ sec.16, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.2 miles south of Paden, Miss.	.19	-	10-20-71	.07
024299816 Mackeys Creek tributary No.3	Mackeys Creek	Lat 34°38'15", long 88°15'45", in NE¼ sec.20, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.4 miles south of Paden, Miss.	.12	-	10-20-71	0
02429983 Mackeys Creek tributary No.4	Mackeys Creek	Lat 34°38'04", long 88°16'02", in NE¼ sec.20, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.7 miles south of Paden, Miss.	.18	-	10-20-71	.1 (est.)
02429984 Mackeys Creek tributary No.5	Mackeys Creek	Lat 34°38'08", long 88°16'30", in NW¼ sec.20, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.7 miles south of Paden, Miss.	.32	-	10-20-71	.01
02429985 Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.8 miles southwest of Paden, Miss.	1.13	-	10-20-71	.32
02429986 Sandy Hook Creek tributary	Sandy Hook Creek	Lat 34°38'17", long 88°17'03", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.8 miles southwest of Paden, Miss.	.13	-	10-20-71	.05
02429987 Reedy Branch	Sandy Hook Creek	Lat 34°38'04", long 88°17'02", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.3 miles southwest of Paden, Miss.	.82	-	10-20-71	.17

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02429988 Reedy Branch tributary	Reedy Branch	Lat 34°38'02", long 88°17'36", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.3 miles southwest of Paden, Miss.	0.53	-	10-20-71	0.06
02429989 Mackeys Creek tributary	Mackeys Creek	Lat 34°37'26", long 88°17'55", in NE¼ sec.25, T.5 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 2.6 miles southeast of Burton, Miss.	.34	-	10-20-71	.05 (est.)
02429990 Mackeys Creek tributary No. 2	Mackeys Creek	Lat 34°37'26" long 88°18'26", in NW¼ sec.25, T.5 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 2.1 miles southeast of Burton, Miss.	.29	-	10-20-71	0
02429991 Mackeys Creek tributary No. 3	Mackeys Creek	Lat 34°37'28", long 88°18'48", in SE¼ sec.23, T.5 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.8 miles southeast of Burton, Miss.	.17	-	10-20-71	0
02429992 Mackeys Creek tributary No. 4	Mackeys Creek	Lat 34°37'27", long 88°18'54", in SE¼ sec.23, T.5 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.7 miles southeast of Burton, Miss.	.13	-	10-20-71	0
02429996 Riddle Creek	Mackeys Creek	Lat 34°37'26", long 88°19'31", in NW¼ sec.26, T.5 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.3 miles southeast of Burton, Miss.	3.72	-	10-20-71	.21
02430030 Rock Creek	Mackeys Creek	Lat 34°31'09", long 88°15'26", in NW¼ sec.33, T.6 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.9 miles west of Belmont, Miss.	4.33	-	10-20-71 11-18-71	1.08 2.59
02430038 Rock Creek	Mackeys Creek	Lat 34°31'00", long 88°16'17", in NW¼ sec.32, T.6 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 3.6 miles west of Belmont, Miss.	9.02	-	10-20-71 11-18-71	2.48 4.71
02430048 Jourdan Creek	Rock Creek	Lat 34°32'33", long 88°16'26", in SW¼ sec.20, T.6 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 4, 3 miles southwest of Dennis, Miss.	5.74	-	10-20-71 11-18-71	.67 1.61
02430060 Rock Creek	Mackeys Creek	Lat 34°29'36", long 88°19'11", in S½ sec.2, T.7 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.3 miles northeast of Moores Mill, Miss.	24.2	-	10-21-71 11-18-71	4.09 10.9
02430085 Red Bud Creek	Mackeys Creek	Lat 34°28'00", long 88°17'00", in S½ Sec.18, T.7 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 2.7 miles southeast of Moores Mill, Miss.	15.5	-	10-20-71 11-18-71	5.00 7.55
02430095 Red Bud Creek	Mackeys Creek	Lat 34°28'53", long 88°19'35", in SW¼ sec.11, T.7 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, at Moores Mill, Miss.	22.2	-	10-21-71 11-18-71	6.63 11.1
02430110 Caveness Branch	Mackeys Creek	Lat 34°29'15", long 88°21'23", in N½ sec.9, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles northwest of Moores Mill, Miss.	4.45	-	10-21-71 11-18-71	1.76 2.20
02430120 Pounds Branch	Caveness Branch	Lat 34°29'15", long 88°21'31", in NW¼ sec.9, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.9 miles northwest of Moores Mill, Miss.	3.53	-	10-21-71 11-18-71	.79 1.18
02430126 Saucer Creek	Mackeys Creek	Lat 34°28'05", long 88°20'18", in S½ sec.15, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles southwest of Moores Mill, Miss.	8.97	-	10-21-71 11-18-71	3.08 3.91

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02430150 Mackeys Creek tributary	Mackeys Creek	Lat 34°27'38", long 88°21'32", in NW¼ sec.21, T.7 S., R.9 E., Chickasaw meridian, Itawamba County, on county road, 2.3 miles southwest of Moores Mill, Miss.	0.85	-	10-21-71 11-18-71	0.70 .79
02430200 Wright Branch	Little Brown Creek	Lat 34°28'51", long 88°22'26", in SW¼ sec.8, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 5.1 miles southeast of Marietta, Miss.	3.13	-	10-21-71 11-18-71	.74 1.08
02430300 Fret Branch	Wright Branch	Lat 34°28'53", long 88°23'53", in SW¼ sec.7, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 4.2 miles southeast of Marietta, Miss.	1.75	-	10-21-71 11-18-71	.17 .25
02430620 Mud Creek	Tombigbee River	Lat 34°22'41", long 88°23'31", in N½ sec.19, T.8 S., R.9 E., Chickasaw meridian, Itawamba County, on county road, 5.5 miles northwest of Fairview, Miss.	14.9	-	10-21-71	5.52
02430900 Cummings Creek	Tombigbee River	Lat 34°16'57", long 88°24'31", in SE¼ sec.24, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county road, 0.6 miles north of Fulton, Miss.	25.4	1956-57, 1960	4-25-56 10-10-56 6- 7-60 10-21-71	30.4 6.30 19.0 12.0
02431400 Mantachie Creek	Tombigbee River	Lat 33°15'55", long 88°26'42", in SE¼ sec.32, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on U.S. Highway 78, 0.5 mile east of Dorsey, Miss.	61.8	1943, 1945-46, 1952-57, 1959-60 1970	10-27-42 11- 6-44 9-15-52 12- 1-52 10-26-53 11-22-54 4-25-56 10-10-56 10-31-58 6- 7-60 10-19-71	1.72 2.01 1.93 3.34 1.49 1.75 26.4 1.11 4.10 4.72 2.29
02431500 Tombigbee River	Mobile River	Lat 34°12'20", long 88°23'50", in SW¼ sec.18, T.10 S., R.9 E., Chickasaw meridian, Itawamba County, at county road bridge, 2 miles downstream from Mantachie Creek, and 4.7 miles south of Fulton, Miss.	706	1937-47	10-22-71	95.2
02432500 Bull Mountain Creek	Tombigbee River	Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw meridian, at bridge on U.S. Highway 78, 0.7 miles northwest of Tremont, 1 mile upstream from Johns Creek, 1.5 miles upstream from Cypress Creek, 3.2 miles upstream from Chubby Creek, and 8 miles southeast of Fulton, Miss.	136	1944-69	10-21-71	25.0
02433300 Boguefala Creek	Tombigbee River	Lat 34°04'53", long 88°27'49", in center of sec.33, T.11 S., R.8 E., Chickasaw meridian, Monroe County, on county road, 2.7 miles south of Carolina, Miss.	55.7	-	10-22-71	6.94
02433400 Boguegaba Creek	Boguefala Creek	Lat 34°05'17", long 88°28'45", in NE¼ sec.32, T.11 S., R.8 E., Chickasaw meridian, Monroe County, on county road, 2.1 miles south of Carolina, Miss.	21.5	-	10-22-71	3.06
		Tennessee River basin				
03592535 Cripple Deer Creek	Bear Creek	Lat 34°43'42", long 88°15'26", in SW¼ sec.16, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 364, 1.8 miles west of Midway, Miss.	3.46	-	10-20-71	0
03592537 Cripple Deer Creek tributary	Cripple Deer Creek	Lat 34°43'11", long 88°15'35", in N½ sec.20-21 line, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.2 miles southwest of Midway, Miss.	.93	-	11-17-71	.03
03592545 Rutledge Branch	Cripple Deer Creek	Lat 34°43'51", long 88°14'00", in center of sec.15, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 364, 0.5 mile west of Midway, Miss.	.57	-	10-20-71	.005 (est.)

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Tennessee River basin--Continued				
03592546 Rutledge Branch	Cripple Deer Creek	Lat 34°43'11", long 88°13'50", in NE¼ sec.22, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 0.9 mile southwest of Midway, Miss.	1.05	-	11-16-71	0.41
03592559 Little Cripple Deer Creek	Cripple Deer Creek	Lat 34°46'22", long 88°13'04", in SW¼ sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 3.3 miles southwest of Iuka, Miss.	.60	-	10-20-71 11-16-71	.03 .11
03592560 Cripple Deer Creek tributary	Cripple Deer Creek	Lat 34°46'25", long 88°13'01", in center of sec. 35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 2.9 miles southwest of Iuka, Miss.	.82	-	10-20-71 11-16-71	.07 .17
03592561 Little Cripple Deer Creek tributary	Little Cripple Deer Creek	Lat 34°46'08", long 88°13'05", in S½ sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 3.0 miles southwest of Iuka, Miss.	.89	-	10-20-71 11-16-71	.05 .02
03592563 Little Cripple Deer Creek	Cripple Deer Creek	Lat 34°44'03", long 88°11'43", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.7 miles east of Midway, Miss.	7.17	-	10-20-71 11-16-71	.52 1.74
03592565 Moore Branch	Little Cripple Deer Creek	Lat 34°44'01", long 88°11'49", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.6 miles east of Midway, Miss.	3.51	-	10-20-71 11-16-71	.52 1.36
03592646 Yellow Creek	Tennessee River	Lat 34°41'36", long 88°21'06", in NE¼ sec.33, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 2.3 miles south of Cairo, Miss.	.34	-	10-19-71	0
035926462 Dead Man Branch	Yellow Creek	Lat 34°42'00", long 88°21'02", in SE¼ sec.28, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.9 miles south of Cairo, Miss.	.89	-	10-19-71	0
035926463 Dead Man Branch tributary	Dead Man Branch	Lat 34°41'41", long 88°21'10", in NE¼ sec.33, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 2.2 miles south of Cairo, Miss.	.13	-	10-19-71	0
035926464 Yellow Creek tributary	Yellow Creek	Lat 34°41'37", long 88°20'03", in NE¼ sec.34, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles south of Cairo, Miss.	.51	-	10-19-71	0
035926468 Yellow Creek tributary No.2	Yellow Creek	Lat 34°42'20", long 88°19'44", in NW¼ sec.26, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.8 miles southeast of Cairo, Miss.	1.26	-	10-19-71	0
035926469 Yellow Creek tributary No.3	Yellow Creek	Lat 34°42'55", long 88°19'05", in SE¼ sec.23, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.9 miles southeast of Cairo, Miss.	.32	-	10-19-71	0
03592647 Yellow Creek	Tennessee River	Lat 34°43'35", long 88°20'28", in S½ sec.15, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.4 mile east of Cairo, Miss.	7.69	-	10-19-71	0
035926475 Yellow Creek tributary No.4	Yellow Creek	Lat 34°43'44", long 88°20'54", in S½ , on line secs.15-16, in T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.1 mile north of Cairo, Miss.	.04	-	10-19-71	0
03592648 Yellow Creek tributary No.5	Yellow Creek	Lat 34°43'36", long 88°20'10", in SE¼ sec.15, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 0.7 mile east of Cairo, Miss.	.57	-	10-21-71	.006

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Tennessee River basin--Continued				
03592649 Yellow Creek tributary No.6	Yellow Creek	Lat 34°44'27", long 88°20'12", in SE¼ sec.10, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.2 miles northeast of Cairo, Miss.	0.28	-	10-21-71	0
03592652 Clausel Creek	Yellow Creek	Lat 34°44'06", long 88°21'04", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.6 mile northwest of Cairo, Miss.	2.59	-	10-21-71 11-17-71	.03 .10
03592654 Clausel Creek tributary	Clausel Creek	Lat 34°44'10", long 88°21'06", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.7 mile northwest of Cairo, Miss.	2.54	-	10-21-71 11-17-71	.09 .15
03592656 Clausel Creek tributary No. 2	Clausel Creek	Lat 34°44'22", long 88°21'12", in N½ sec.16, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.9 mile northwest of Cairo, Miss.	.30	-	10-21-71 11-17-71	.06 .02
03592659 Yellow Creek tributary	Yellow Creek	Lat 34°43'40", long 88°18'32", in SW¼ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 364, 0.2 mile southwest of Holcut, Miss.	1.46	-	10-19-71	.07
03592660 Yellow Creek tributary No. 2	Yellow Creek	Lat 34°43'34", long 88°18'40", in SW¼ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 364, 0.4 mile southwest of Holcut, Miss.	.29	-	10-19-71	0
03592662 Yellow Creek tributary No. 3	Yellow Creek	Lat 34°44'07", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.6 mile north of Holcut, Miss.	.95	-	10-21-71	0
03592663 Yellow Creek tributary No. 4	Yellow Creek	Lat 34°44'16", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.4 mile north of Holcut, Miss.	.57	-	10-21-71 11-17-71	.16 .17
03592664 Yellow Creek tributary No. 5	Yellow Creek	Lat 34°43'47", long 88°19'06", in SE¼ sec.14, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.7 mile west of Holcut, Miss.	.16	-	10-21-71	0
03592665 Yellow Creek tributary No. 6	Yellow Creek	Lat 34°44'18", long 88°19'14", in NE¼ sec.14, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.0 mile northwest of Holcut, Miss.	.21	-	10-21-71	0
03592666 Yellow Creek tributary No. 7	Yellow Creek	Lat 34°45'01", long 88°18'43", in NW¼ sec.12, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.5 miles north of Holcut, Miss.	.55	-	10-21-71 11-17-71	.01 .02
03592667 Yellow Creek tributary No. 8	Yellow Creek	Lat 34°44'52", long 88°19'49", in SW¼ sec.11, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.9 miles northwest of Holcut, Miss.	.06	-	10-21-71	0
03592668 Pigeon Roost Branch	Yellow Creek	Lat 34°45'13", long 88°21'08", in NE¼ sec.9, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.5 miles southwest of Holts Spur, Miss.	1.15	-	10-21-71 11-17-71	.01 .05
035926683 Pigeon Roost Branch tributary	Pigeon Roost Branch	Lat 34°45'17", long 88°21'06", in NE¼ sec.9, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.4 miles southwest of Holts Spur, Miss.	.66	-	10-21-71	0
035926684 Pigeon Roost Branch tributary No. 2	Pigeon Roost Branch	Lat 34°45'28", long 88°21'03", in SE¼ sec.4, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 1.2 miles southwest of Holts Spur, Miss.	.33	-	10-21-71	.008

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued
(Data furnished by and in files of Corps of Engineers, Mobile District)

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Tennessee River basin--Continued						
035926687 Pigeon Roost Branch tributary No. 3	Pigeon Roost Branch	Lat 34°45'51", long 88°21'00", in NE¼ sec.4, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 0.8 mile southwest of Holts Spur, Miss.	0.17	-	10-21-71	0
035926689 Yellow Creek tributary	Yellow Creek	Lat 34°45'23", long 88°18'25", in SW¼ sec.1, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 2.2 miles southeast of Holts Spur, Miss.	.10	-	10-21-71	0
035926690 Yellow Creek tributary No. 2	Yellow Creek	Lat 34°45'25", long 88°19'26", in SW¼ sec.2, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.4 miles southeast of Holts Spur, Miss.	.71	-	11-17-71	.04
035926691 Yellow Creek tributary No. 3	Yellow Creek	Lat 34°46'09", long 88°20'51", in NW¼ sec.3, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 0.5 mile southwest of Holts Spur, Miss.	.38	-	10-21-71 11-17-71	.03 .05
035926693 Yellow Creek tributary No. 4	Yellow Creek	Lat 34°46'22", long 88°20'34", in SW¼ sec.34, T.3 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 0.1 mile west of Holts Spur, Miss.	.18	-	10-21-71	0
035926694 Yellow Creek tributary No. 5	Yellow Creek	Lat 34°46'33", long 88°20'20", in SE¼ sec.34, T.3 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 0.1 mile north of Holts Spur, Miss.	.17	-	10-21-71	0
035926696 Yellow Creek tributary No. 6	Yellow Creek	Lat 34°46'58", long 88°18'30", in NW¼ sec.36, T.3 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.9 miles northeast of Holts Spur, Miss.	.65	-	10-21-71 11-17-71	.02 .03
03592670 Berea Creek	Yellow Creek	Lat 34°47'15", long 88°19'50", in S½ sec.26-27 T.3 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 1.2 miles north of Holts Spur, Miss.	8.60	-	10-21-71 11-17-71	.61 1.20
03592705 Dry Creek	Little Yellow Creek	Lat 34°46'30", long 88°16'54", in SE¼ sec.31, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 3.2 miles east of Holts Spur, Miss.	1.73	-	10-21-71 11-17-71	.03 .03
03592710 Little Yellow Creek	Yellow Creek	Lat 34°49'07", long 88°16'55", in SE¼ sec.18, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on U.S. Highway 72, 2.7 miles southeast of Burnsville, Miss.	11.9	-	10-21-71 11-17-71	2.69 3.02

Measurements in Pascagoula River Estuary Study Area, Mississippi

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Pascagoula River basin				
Pascagoula River	Gulf of Mexico	Lat 30°36'42", long 88°38'30", in N½ sec.38, T.5 S., R.7 W., St. Stephens meridian, Jackson County, 5 miles southwest of Wade, Miss.	8,150	1959, 1961, 1971	8-17-72	2,680
					8-17-72	2,740
					8-17-72	2,840
					8-17-72	3,080
					8-17-72	3,110
					8-17-72	2,860
					8-17-72	2,670
					8-18-72	2,600
					8-18-72	2,270
					8-18-72	2,390
Pascagoula River	Gulf of Mexico	Lat 30°30'49", long 88°36'05", in NE¼ sec.20, T.6 S., R.6 W., St. Stephens meridian, Jackson County, 5 miles east of Vancleave, Miss.	-	-	8-17-72	1,190
					8-17-72	1,710
					8-17-72	1,690
					8-17-72	1,500
					8-17-72	1,340
					8-17-72	466
					8-18-72	657
Escatawpa River	Pascagoula River	Lat 30°27'57", long 88°26'25", in NW¼ sec.1, T.7 S., R.5 W., St. Stephens meridian, Jackson County, 3 miles north of Orange Grove, Miss.	-	-	8-17-72	725
					8-17-72	869
					8-17-72	734
					8-17-72	580
					8-17-72	142
Pascagoula River	Gulf of Mexico	Lat 30°22'17", long 88°33'45", near irregular sec.7, T.8 S., R.6 W., St. Stephens meridian, Jackson County, at bridge on U.S. Highway 90, at Pascagoula, Miss.	-	-	8-17-72	10,300
					8-17-72	14,200
					8-17-72	10,500
					8-17-72	7,400
					8-17-72	2,920
					8-17-72	-6,850
					8-17-72	-13,000
					8-17-72	-16,800
					8-18-72	-14,600
					8-18-72	5,070
					8-18-72	9,210
West Pascagoula River	Gulf of Mexico	Lat 30°31'00", long 88°36'22", in S½ sec.17, T.6 S., R.6 W., St. Stephens meridian, Jackson County, 4.5 miles east of Vancleave, Miss.	-	-	8-17-72	1,270
					8-17-72	1,990
					8-17-72	2,440
					8-17-72	2,380
					8-17-72	1,650
					8-17-72	1,650
					8-17-72	678
					8-18-72	469
					8-18-72	781
West Pascagoula River	Gulf of Mexico	Lat 30°27'55", long 88°36'30", near irregular sec.2, T.8 S., R.6 W., St. Stephens meridian, Jackson County, at bridge on U.S. Highway 90, at Gautier, Miss.	-	-	8-17-72	22,500
					8-17-72	30,100
					8-17-72	12,200
					8-17-72	1,900
					8-17-72	3,570
					8-17-72	-20,000
					8-18-72	-25,700
					8-18-72	-17,500

PART 2. WATER QUALITY RECORDS

Preceding page blank

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MISS.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, at gaging station at bridge on State Highway 4 at Narrows dam site, 6 miles southwest of Dennis, and 10 miles upstream from confluence with Browns Creek.

DRAINAGE AREA.--66.8 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
03...	--	120	41	2.5	6.4	13	2.9	1.3	3.1	.4	30
03...	--	--	40	--	6.1	--	--	--	--	--	--
FEB.											
01...	90	45	35	2.3	--	12	2.9	1.1	1.3	.2	19
01...	90	--	45	--	7.5	--	--	--	--	--	--
MAY											
02...	83	75	35	1.3	6.6	12	2.8	1.2	1.4	.2	18
02...	83	--	50	--	6.9	--	--	--	--	--	--
09...	125	90	31	.8	6.8	10	2.6	.9	1.4	.2	21
09...	125	--	50	--	7.0	--	--	--	--	--	--
JUNE											
13...	26	5	36	--	6.7	12	3.1	1.0	2.0	.3	26
SEP.											
06...	--	--	38	--	7.0	--	--	--	--	--	--
12...	--	5	--	.6	--	23	7.0	1.3	2.8	.3	19
12...	--	--	30	--	6.7	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
03...	2.0	3.2	20	--	2.0	5.9	850	15	.1	.09	28
03...	--	--	--	17.5	--	--	--	--	--	--	--
FEB.											
01...	1.0	3.2	29	--	1.8	9.3	70	12	.1	.30	28
01...	--	--	--	5.5	--	--	--	12	--	--	--
MAY											
02...	1.1	3.0	34	--	1.0	10	710	14	.1	.10	29
02...	--	--	--	17.0	--	--	--	16	--	--	--
09...	1.1	4.8	--	--	1.4	8.0	450	10	.1	.10	26
09...	--	--	--	16.5	--	--	--	10	--	--	--
JUNE											
13...	.3	1.6	29	--	1.7	11	--	14	.0	.09	28
SEP.											
06...	--	--	--	19.0	--	--	--	16	--	--	--
12...	1.4	2.6	--	--	2.4	13	550	26	.1	.07	45
12...	--	--	--	21.5	--	--	--	--	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
03...	120	.45	.060	.033	.046	65	14	--	--	1
03...	--	--	--	--	--	--	--	7.9	--	--
FEB.										
01...	150	.15	--	.003	.020	10	23	--	230	2
01...	--	--	--	--	--	--	--	12.4	--	--
MAY										
02...	120	.27	.006	--	.036	25	19	--	1500	1
02...	--	--	--	--	--	--	--	9.4	--	--
09...	150	--	.033	.006	.075	50	21	--	200	2
09...	--	--	--	--	--	--	--	8.3	--	--
JUNE										
13...	--	--	--	--	--	--	--	--	--	1
SEP.										
06...	--	--	--	--	--	--	--	8.2	--	--
12...	120	.19	.009	.007	.049	30	8	--	--	0
12...	--	--	--	--	--	--	--	7.9	--	--

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MISS.

LOCATION.--Lat 34°25'34", long 88°25'17", in SE¼ sec.35, T.7 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county road, 0.5 mile downstream from confluence of Big Brown Creek Canal and Mackeys Creek, 3 miles upstream from Donovan Creek Canal, and 6 miles southeast of Marietta.

DRAINAGE AREA.--307 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
04...	160	100	45	2.8	6.6	14	3.5	1.3	3.3	.4	29
04...	160	--	40	--	6.1	--	--	--	--	--	--
FEB.											
01...	562	45	48	3.3	--	17	4.7	1.3	1.8	.2	18
01...	562	--	50	--	6.8	--	--	--	--	--	--
MAY											
02...	126	60	45	1.3	6.4	19	4.8	1.6	1.6	.2	15
02...	126	--	70	--	6.8	--	--	--	--	--	--
09...	1210	60	43	1.0	6.4	18	5.0	1.2	1.9	.2	17
09...	1210	--	60	--	6.7	--	--	--	--	--	--
SEP.											
06...	--	--	50	--	6.8	--	--	--	--	--	--
12...	--	15	--	.6	--	19	4.6	1.7	1.9	.2	17
12...	--	--	45	--	6.8	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
04...	2.5	2.6	27	--	2.8	10	400	22	.1	.09	38
04...	--	--	--	15.0	--	--	--	--	--	--	--
FEB.											
01...	1.0	7.0	38	--	2.6	11	180	14	.1	.30	39
01...	--	--	--	5.0	--	--	--	11	--	--	--
MAY											
02...	1.3	4.8	--	--	1.6	9.8	860	20	.1	.10	36
02...	--	--	--	19.0	--	--	--	20	--	--	--
09...	1.2	6.4	--	--	2.0	8.4	520	14	.1	.10	34
09...	--	--	--	18.0	--	--	--	14	--	--	--
SEP.											
06...	--	--	--	22.0	--	--	--	24	--	--	--
12...	1.3	3.0	42	--	2.4	13	570	20	.1	.09	38
12...	--	--	--	23.0	--	--	--	--	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
04...	250	.73	.009	.033	.068	85	37	--	--	0
04...	--	--	--	--	--	--	--	5.9	--	--
FEB.										
01...	80	.34	--	.003	.020	7	31	--	120	6
01...	--	--	--	--	--	--	--	12.5	--	--
MAY										
02...	250	.25	.006	.007	.049	35	37	--	130	3
02...	--	--	--	--	--	--	--	6.7	--	--
09...	160	.40	.006	.013	.091	40	29	--	300	7
09...	--	--	--	--	--	--	--	6.3	--	--
SEP.										
06...	--	--	--	--	--	--	--	7.6	--	--
12...	320	.19	.003	.010	.072	40	10	--	--	3
12...	--	--	--	--	--	--	--	6.8	--	--

02431000 TOMBIGBEE RIVER NEAR FULTON, MISS.

LOCATION.--Lat 34°15'55", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at gaging station at bridge on U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 miles west of Fulton, 6.2 miles upstream from Mantachie Creek Canal, 13.5 miles downstream from Twentymile Creek Canal, and at mile 421.8.

DRAINAGE AREA.--612 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
04...	368	100	61	3.5	6.6	21	5.9	1.4	4.4	.4	28
04...	368	--	60	--	6.4	--	--	--	--	--	--
FEB.											
02...	910	50	78	4.3	--	31	10	1.5	2.3	.2	13
02...	910	--	90	--	7.1	--	--	--	--	--	--
MAY											
03...	340	60	74	--	6.8	31	9.6	1.5	1.9	.1	11
03...	340	--	80	--	6.6	--	--	--	--	--	--
10...	1700	80	69	--	6.8	25	6.6	1.1	2.3	.2	15
10...	1700	--	80	--	6.9	--	--	--	--	--	--
JUNE											
12...	160	30	97	--	6.8	40	14	1.2	2.3	.2	11
SEP.											
06...	--	--	73	--	7.4	--	--	--	--	--	--
12...	--	15	--	1.0	--	30	9.6	1.4	2.4	.2	14
12...	--	--	70	--	6.8	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RES)-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
04...	2.7	7.4	34	--	2.8	10	500	24	.1	.07	47
04...	--	--	--	15.5	--	--	--	--	--	--	--
FEB.											
02...	1.4	7.0	57	--	3.2	9.5	140	29	.1	.40	51
02...	--	--	--	5.0	--	--	--	29	--	--	--
MAY											
03...	1.2	6.6	--	--	2.4	8.8	440	33	.1	.10	49
03...	--	--	--	18.5	--	--	--	34	--	--	--
10...	1.8	6.6	36	--	3.0	7.1	630	26	.1	.30	45
10...	--	--	--	18.5	--	--	--	27	--	--	--
JUNE											
12...	1.3	6.0	73	24.0	3.2	9.9	--	44	.1	.02	60
SEP.											
06...	--	--	--	24.0	--	--	--	32	--	--	--
12...	1.7	2.6	56	--	3.4	12	740	36	.1	.17	50
12...	--	--	--	25.0	--	--	--	--	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
04...	160	.75	.003	.039	.12	70	--	--	--	3
04...	--	--	--	--	--	--	--	7.8	--	--
FEB.										
02...	40	.43	.009	.010	.020	9	--	--	3000	7
02...	--	--	--	--	--	--	--	11.6	--	--
MAY										
03...	80	.39	.006	--	.12	75	29	--	660	4
03...	--	--	--	--	--	--	--	--	--	--
10...	80	--	.012	.016	.14	50	25	--	640	5
10...	--	--	--	--	--	--	--	7.8	--	--
JUNE										
12...	--	--	--	--	--	--	--	--	--	4
SEP.										
06...	--	--	--	--	--	--	--	9.2	--	--
12...	140	.24	.003	.016	.078	35	8	--	--	1
12...	--	--	--	--	--	--	--	8.2	--	--

02431500 TOMBIGBEE RIVER AT BEANS FERRY NEAR FULTON, MISS.

LOCATION.--Lat 34°12'20", long 88°23'30", in NW¼ sec.18, T.10 S., R.9 E., Chickasaw meridian, Itawamba County, at bridge on county road, 2 miles downstream from Mantachie Creek, and 4.7 miles south of Fulton.

DRAINAGE AREA.--706 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
04...	425	80	64	2.0	6.7	22	6.2	1.5	2.1	.2	15
04...	425	--	70	--	6.[illegible]	--	--	--	--	--	--
FEB.											
02...	1210	60	83	3.9	--	33	11	1.3	3.5	.3	18
02...	1210	--	85	--	7.1	--	--	--	--	--	--
MAY											
03...	430	50	77	.8	6.8	35	11	1.7	2.1	.2	11
03...	430	--	90	--	6.7	--	--	--	--	--	--
10...	2000	80	77	2.7	6.7	35	12	1.2	2.0	.2	11
10...	2000	--	100	--	6.9	--	--	--	--	--	--
SEP.											
07...	--	40	--	.9	--	24	8.5	1.9	3.0	.2	17
07...	--	--	75	--	6.0	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
04...	2.7	4.4	33	--	3.2	5.1	2100	24	.1	.09	38
04...	--	--	--	15.5	--	--	--	--	--	--	--
FEB.											
02...	1.6	9.2	60	--	3.2	9.9	360	30	.1	.50	57
02...	--	--	--	5.0	--	--	--	29	--	--	--
MAY											
03...	1.2	6.0	69	--	2.2	9.8	910	34	.1	.10	52
03...	--	--	--	19.0	--	--	--	36	--	--	--
10...	1.6	7.6	58	--	3.6	6.0	540	28	.2	.40	51
10...	--	--	--	18.0	--	--	--	30	--	--	--
SEP.											
07...	1.7	2.8	63	--	4.2	12	100	--	.1	.14	50
07...	--	--	--	22.0	--	--	--	30	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
04...	190	.65	.008	.039	.12	40	20	--	-	3
04...	--	--	--	--	--	--	--	[illegible].1	--	--
FEB.										
02...	60	.27	.009	.023	.042	10	44	--	3700	9
02...	--	--	--	--	--	--	--	12.3	--	--
MAY										
03...	80	.24	.006	.007	.082	45	19	--	3400	7
03...	--	--	--	--	--	--	--	7.8	--	--
10...	110	.67	.012	.016	.19	75	33	--	1100	12
10...	--	--	--	--	--	--	--	8.3	--	--
SEP.										
07...	100	.38	.003	.013	.11	60	12	--	4500	5
07...	--	--	--	--	--	--	--	8.3	--	--

02433100 TOMBIGBEE RIVER AT BARRS FERRY NEAR SMITHVILLE, MISS.

LOCATION.--Lat 34°05'40", long 88°25'30", in SE¼NW¼ sec.26, T.11 S., R.6 E., Chickasaw meridian, Itawamba County, at bridge on county road, at Barrs Ferry, 2.0 miles northwest of Smithville.

DRAINAGE AREA.--1,098 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
05...	980	40	49	2.3	6.6	14	3.7	1.1	1.6	.2	17
05...	--	--	40	--	6.7	--	--	--	--	--	--
FEB.											
02...	1900	50	62	2.7	--	23	7.3	1.2	2.0	.2	16
02...	1900	--	70	--	6.9	--	--	--	--	--	--
MAY											
03...	840	50	49	--	6.9	18	5.5	1.1	1.5	.2	15
03...	840	--	70	--	6.9	--	--	--	--	--	--
10...	5800	--	50	--	6.6	--	--	--	--	--	--
10...	5800	90	26	3.1	6.2	6	1.5	.6	1.7	.3	32
SEP.											
07...	--	25	--	.4	--	23	6.6	1.4	2.1	.2	16
07...	--	--	66	--	6.7	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
05...	2.8	4.6	29	--	2.8	4.8	210	15	.1	.09	30
05...	--	--	--	14.5	--	--	--	--	--	--	--
FEB.											
02...	1.2	5.8	36	--	2.2	8.4	90	21	--	.40	40
02...	--	--	--	5.5	--	--	--	21	--	--	--
MAY											
03...	1.0	3.4	--	--	1.8	7.2	410	20	.1	.60	34
03...	--	--	--	19.0	--	--	--	26	--	--	--
10...	--	--	--	16.0	--	--	--	10	--	--	--
10...	1.1	4.4	--	--	1.6	7.2	330	6	.2	.20	22
SEP.											
07...	1.3	2.0	43	--	2.6	10	710	--	.1	.18	41
07...	--	--	--	22.0	--	--	--	52	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
05...	60	.65	.003	.042	.098	80	30	--	--	2
05...	--	--	--	--	--	--	--	8.2	--	--
FEB.										
02...	60	.30	.009	.023	.036	15	44	--	4100	6
02...	--	--	--	--	--	--	--	12.3	--	--
MAY										
03...	90	.24	.009	.003	.072	25	17	--	550	2
03...	--	--	--	--	--	--	--	7.3	--	--
10...	--	--	--	--	--	--	--	8.2	--	--
10...	100	.36	.003	.020	.12	40	22	--	80	1
SEP.										
07...	340	.29	.003	.003	.080	40	15	--	400	0
07...	--	--	--	--	--	--	--	8.5	--	--

02437000 TOMBIGBEE RIVER NEAR AMORY, MISS.

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NW¼ sec.3, T.13 S., R.7 E., Chickasaw meridian, Marion County, at gaging station at bridge on U.S. Highway 278, 0.3 mile downstream from Town Creek, 3.5 miles west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,924 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
05...	967	80	89	2.7	6.9	28	8.9	1.3	4.0	.3	21
05...	967	--	95	--	6.9	--	--	--	--	--	--
FEB.											
03...	2650	--	180	2.3	--	72	26	1.7	5.7	.3	14
03...	2650	--	180	--	7.4	--	--	--	--	--	--
MAY											
03...	1500	30	175	3.7	6.8	79	28	2.1	6.0	.3	14
03...	1500	--	220	--	7.4	--	--	--	--	--	--
10...	7200	120	86	4.5	6.8	37	13	1.1	3.1	.2	14
10...	7200	--	100	--	6.9	--	--	--	--	--	--
SEP.											
07...	--	30	--	2.6	--	43	14	2.0	11	.7	34
07...	--	--	150	--	7.0	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
05...	3.0	5.2	67	--	6.0	5.2	110	31	.1	.16	49
05...	--	--	--	15.0	--	--	--	--	--	--	--
FEB.											
03...	1.5	14	--	--	5.8	8.4	190	75	.2	.40	104
03...	--	--	--	6.0	--	--	--	83	--	--	--
MAY											
03...	1.7	13	106	--	8.4	7.7	310	76	.2	.30	106
03...	--	--	--	20.0	--	--	--	80	--	--	--
10...	1.5	8.4	69	--	3.6	5.9	260	37	.2	.50	57
10...	--	--	--	18.0	--	--	--	36	--	--	--
SEP.											
07...	2.2	4.8	--	--	15	9.8	290	--	.2	.16	86
07...	--	--	--	25.0	--	--	--	68	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
05...	80	.55	.012	.065	.15	90	45	--	--	3
05...	--	--	--	--	--	--	--	8.5	--	--
FEB.										
03...	80	.45	.003	.029	.12	--	--	--	3000	11
03...	--	--	--	--	--	--	--	12.4	--	--
MAY										
03...	40	.65	.021	.036	.16	30	29	--	3900	16
03...	--	--	--	--	--	--	--	8.3	--	--
10...	60	.63	.012	.016	.20	75	21	--	780	7
10...	--	--	--	--	--	--	--	7.4	--	--
SEP.										
07...	260	.45	.006	.020	.13	45	16	--	300	1
07...	--	--	--	--	--	--	--	9.3	--	--

02437500 TOMBIGBEE RIVER AT ABERDEEN, MISS.

LOCATION.--Lat 33°49 .4", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville meridian, Monroe County, at bridge on U.S. Highway 45, 1.3 miles below St. Louis and San Francisco Railway bridge and 1.5 miles east of Aberdeen.

DRAINAGE AREA.--2,169 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
05...	1000	75	72	1.8	6.9	25	7.6	1.3	2.9	.3	19
05...	1000	--	80	--	6.7	--	--	--	--	--	--
FEB.											
03...	2590	60	115	2.8	--	43	15	1.3	3.8	.3	16
03...	2590	--	120	--	7.1	--	--	--	--	--	--
MAY											
03...	1980	50	110	2.7	6.7	46	16	1.5	3.8	.2	15
03...	1980	--	125	--	7.2	--	--	--	--	--	--
10...	10100	120	71	2.4	6.7	31	11	.9	2.3	.2	13
10...	10100	--	70	--	6.7	--	--	--	--	--	--
SEP.											
07...	--	15	--	1.6	--	51	17	2.1	8.6	.5	26
07...	--	--	150	--	7.1	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
05...	2.5	4.8	65	--	4.4	5.2	680	28	.1	.14	43
05...	--	--	--	15.5	--	--	--	--	--	--	--
FEB.											
03...	1.3	11	--	--	4.0	13	120	44	.1	.40	71
03...	--	--	--	6.5	--	--	--	4	--	--	--
MAY											
03...	1.7	8.8	76	--	3.8	7.4	210	49	.1	.20	68
03...	--	--	--	20.5	--	--	--	48	--	--	--
10...	1.5	6.8	62	--	2.6	5.2	370	30	.2	.60	48
10...	--	--	--	18.0	--	--	--	30	--	--	--
SEP.											
07...	2.1	5.4	88	--	12	9.9	240	--	.2	.02	88
07...	--	--	--	25.0	--	--	--	74	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
05...	40	.60	.009	.049	.098	95	45	--	--	2
05...	--	--	--	--	--	--	--	8.6	--	--
FEB.										
03...	60	.31	.006	.013	.085	20	48	--	2500	7
03...	--	--	--	--	--	--	--	12.3	--	--
MAY										
03...	20	.43	.012	.010	.18	45	38	--	3800	6
03...	--	--	--	--	--	--	--	7.9	--	--
10...	60	.66	.015	.020	.18	90	33	--	1100	7
10...	--	--	--	--	--	--	--	7.3	--	--
SEP.										
07...	70	.39	.006	.020	.10	30	14	--	2600	1
07...	--	--	--	--	--	--	--	9.6	--	--

02441500 TOMBIGBEE RIVER AT COLUMBUS, MISS.

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville meridian, Lowndes County, at gaging station at bridge on U.S. Highways 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 miles upstream from Luxapallila Creek, 6.7 miles downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,490 sq mi, approximately.

WATER QUALITY DATA, NOVEMBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.											
05...	1180	40	138	2.3	6.9	39	13	1.6	8.6	.6	31
05...	1180	--	140	--	7.0	--	--	--	--	--	--
FEB.											
03...	4590	55	118	4.0	--	43	15	1.3	4.3	.3	18
03...	4590	--	120	--	5.9	--	--	--	--	--	--
MAY											
01...	3080	30	128	1.8	7.0	51	18	1.5	5.1	.3	17
01...	3080	--	145	--	7.3	--	--	--	--	--	--
11...	15400	90	84	2.0	6.7	39	14	1.0	2.2	.2	11
11...	15400	--	75	--	7.4	--	--	--	--	--	--
SEP.											
07...	--	20	--	3.7	--	47	16	1.7	12	.8	34
07...	--	--	165	--	7.7	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.											
05...	2.5	9.2	107	--	14	6.1	30	38	.1	.18	75
05...	--	--	--	16.5	--	--	--	--	--	--	--
FEB.											
03...	1.3	11	74	--	5.2	18	200	42	.1	.50	79
03...	--	--	--	6.0	--	--	--	43	--	--	--
MAY											
01...	1.6	9.6	78	--	5.0	7.6	390	56	.1	.20	77
01...	--	--	--	20.0	--	--	--	74	--	--	--
11...	2.1	7.2	57	--	2.6	5.9	280	38	.2	.60	57
11...	--	--	--	18.0	--	--	--	38	--	--	--
SEP.											
07...	2.6	8.4	93	--	19	8.1	70	--	.1	.61	93
07...	--	--	--	26.0	--	--	--	66	--	--	--

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV.										
05...	180	.75	.018	.072	.16	55	24	--	--	8
05...	--	--	--	--	--	--	--	9.5	--	--
FEB.										
03...	60	.39	.006	.020	.068	15	44	--	4500	9
03...	--	--	--	--	--	--	--	12.5	--	--
MAY										
01...	30	.30	.024	.013	.16	30	23	--	7500	5
01...	--	--	--	--	--	--	--	8.5	--	--
11...	20	.65	.012	.003	.19	80	21	--	740	8
11...	--	--	--	--	--	--	--	7.3	--	--
SEP.										
07...	35	.59	.024	.078	.20	20	17	--	830	11
07...	--	--	--	--	--	--	--	8.5	--	--

02473260 LEAF RIVER NEAR PALMER, MISS.

LOCATION.--Lat 31°15'40", long 89°13'35", in SW¼SW¼ sec.32, T.4 N., R.24 E., St. Stephens meridian, Forrest County, on county road, 3 miles east of Palmer.

PERIOD OF RECORD.--Chemical analyses: November 1970 to August 1972.

WATER QUALITY DATA, NOVEMBER 1971 TO AUGUST 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
NOV.										
03...	725	25	15	56	3.4	9	6.6	18	2.5	--
16...	615	--	10	--	--	--	--	--	--	.010
DEC.										
16...	--	60	15	45	4.0	21	6.2	8	.62	.001
16...	--	--	--	28	--	--	--	--	--	--
JAN.										
13...	--	90	35	33	7.0	23	5.9	5	1.0	--
MAR.										
02...	8500	110	35	38	3.0	22	6.2	7	.62	--
02...	--	--	--	60	--	--	6.1	--	--	--
15...	--	--	--	65	--	--	6.8	--	--	--
27...	--	--	--	70	--	--	5.9	--	--	--
APR.										
11...	--	25	10	65	3.5	13	6.5	11	.62	--
11...	--	--	--	75	--	--	--	--	--	--
26...	--	--	--	80	--	--	6.4	--	--	--
JUNE										
07...	--	--	--	90	--	--	6.8	--	--	--
AUG.										
03...	900	27	5	60	4.9	12	6.4	10	.78	.002

DATE	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
NOV.									
03...	--	.30	11	8.0	3.0	14	1.1	47	1.3
16...	.10	--	--	--	--	9.0	--	--	--
DEC.									
16...	.04	.01	11	8.0	3.0	9.0	.7	37	1.2
16...	--	--	--	--	--	--	--	--	--
JAN.									
13...	--	.02	10	7.0	3.0	4.0	.3	22	1.4
MAR.									
02...	--	.15	12	7.0	5.0	3.8	.3	18	.3
02...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
APR.									
11...	--	.33	49	13	36	12	.4	13	1.2
11...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
JUNE									
07...	.00	--	--	--	--	--	--	--	--
AUG.									
03...	.04	.10	16	12	4.0	12	.8	35	1.2

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
03...	.7	7000	68000	23.0	3.6	57	20	50	70
16...	--	--	--	17.0	--	--	--	--	--
DEC.									
16...	7.9	4450	7000	--	7.5	33	58	82	140
16...	--	--	--	20.0	7.8	--	--	--	--
JAN.									
13...	3.6	--	5100	16.0	7.5	33	58	65	123
MAR.									
02...	2.8	--	31800	--	7.4	150	132	98	230
02...	--	--	--	17.0	7.0	--	--	--	--
15...	--	--	--	18.0	8.8	--	--	--	--
27...	--	--	--	19.0	8.6	--	--	--	--
APR.									
11...	5.8	--	15330	18.5	6.9	40	20	90	110
11...	--	--	--	18.5	8.0	--	--	--	--
26...	--	--	--	19.0	7.6	--	--	--	--
JUNE									
07...	--	--	--	30.0	6.9	--	--	--	--
AUG.									
03...	8.2	--	23350	--	5.9	23	54	29	83

02473260 LEAF RIVER NEAR PALMER, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), OCTOBER 1971 TO JUNE 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	58	55	60	55	60	55	---	---	---	---
2	---	---	60	55	65	35	65	60	---	---	---	---
3	---	---	85	50	40	35	65	45	---	---	---	---
4	70	60	130	100	50	35	60	42	---	---	---	---
5	70	60	130	130	70	50	45	45	---	---	---	---
6	70	60	130	100	60	30	50	50	---	---	---	---
7	110	70	110	100	30	15	50	50	---	---	---	---
8	100	95	100	95	15	15	50	50	---	---	---	---
9	85	80	95	95	15	15	50	50	---	---	---	---
10	85	75	95	80	20	15	50	50	---	---	---	---
11	85	70	80	75	20	20	50	45	---	---	---	---
12	80	60	75	70	20	20	75	---	---	---	---	---
13	80	65	75	75	20	20	---	---	---	---	---	---
14	70	63	75	70	25	20	---	---	---	---	---	---
15	70	63	75	70	25	25	---	---	---	---	70	70
16	70	60	70	70	30	25	---	---	---	---	100	70
17	70	63	80	70	40	30	---	---	---	---	85	65
18	63	60	80	80	45	40	---	---	---	---	85	65
19	100	60	80	80	50	45	---	---	---	---	85	65
20	60	60	85	80	50	35	---	---	---	---	85	75
21	70	60	85	85	35	30	---	---	---	---	80	75
22	65	55	85	75	45	35	---	---	---	---	80	70
23	60	55	75	70	50	45	---	---	---	---	80	80
24	60	55	70	70	55	50	50	50	---	---	80	80
25	60	55	70	70	60	55	50	50	---	---	90	80
26	60	55	70	70	60	50	60	50	---	---	85	85
27	59	55	70	70	60	50	65	60	---	---	85	75
28	59	55	70	70	60	55	70	65	---	---	80	65
29	60	55	70	55	60	50	70	60	---	---	70	55
30	83	60	60	55	65	60	70	50	---	---	70	65
31	83	58	---	---	60	60	---	45	---	---	70	60
MONTH	110	55	130	50	70	15	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	70	65	80	70	85	80	---	---	---	---	---	---
2	70	70	70	40	95	85	---	---	---	---	---	---
3	75	70	52	40	100	90	---	---	---	---	---	---
4	75	75	62	52	100	90	---	---	---	---	---	---
5	75	65	97	60	95	85	---	---	---	---	---	---
6	70	65	95	90	90	80	---	---	---	---	---	---
7	65	60	95	40	100	90	---	---	---	---	---	---
8	65	60	40	35	130	100	---	---	---	---	---	---
9	70	65	60	35	125	120	---	---	---	---	---	---
10	70	70	55	55	125	110	---	---	---	---	---	---
11	75	70	65	55	95	85	---	---	---	---	---	---
12	75	75	60	55	110	85	---	---	---	---	---	---
13	75	75	55	45	90	80	---	---	---	---	---	---
14	80	75	55	45	100	80	---	---	---	---	---	---
15	85	80	60	55	105	70	---	---	---	---	---	---
16	80	80	80	40	100	85	---	---	---	---	---	---
17	80	70	80	70	110	85	---	---	---	---	---	---
18	75	70	80	75	105	80	---	---	---	---	---	---
19	80	70	100	80	95	95	---	---	---	---	---	---
20	85	80	100	90	110	80	---	---	---	---	---	---
21	90	85	100	95	110	75	---	---	---	---	---	---
22	90	55	100	95	210	90	---	---	---	---	---	---
23	75	50	100	100	230	130	---	---	---	---	---	---
24	55	50	110	80	170	70	---	---	---	---	---	---
25	55	55	90	80	200	75	---	---	---	---	---	---
26	65	55	95	80	95	50	---	---	---	---	---	---
27	65	65	80	75	---	---	---	---	---	---	---	---
28	80	75	80	75	---	---	---	---	---	---	---	---
29	75	60	80	75	---	---	---	---	---	---	---	---
30	70	60	80	75	---	---	---	---	---	---	---	---
31	---	---	85	80	---	---	---	---	---	---	---	---
MONTH	90	50	110	35	230	50	---	---	---	---	---	---
YEAR	230	15										

02473260 LEAF RIVER NEAR PALMER, MISS.--Continued

TEMPERATURE (°C) OF WATER, OCTOBER 1971 TO NOVEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	23.0	23.0	---	---	---	---	---	---	---	---
2	---	---	23.0	23.0	---	---	---	---	---	---	---	---
3	---	---	23.0	23.0	---	---	---	---	---	---	---	---
4	27.5	27.0	23.0	22.0	---	---	---	---	---	---	---	---
5	28.0	27.5	22.0	21.0	---	---	---	---	---	---	---	---
6	28.0	27.5	21.0	21.0	---	---	---	---	---	---	---	---
7	28.0	27.5	21.0	21.0	---	---	---	---	---	---	---	---
8	27.5	26.5	21.0	19.5	---	---	---	---	---	---	---	---
9	26.5	26.5	19.5	19.0	---	---	---	---	---	---	---	---
10	26.5	25.5	19.0	19.0	---	---	---	---	---	---	---	---
11	25.5	25.0	19.0	19.0	---	---	---	---	---	---	---	---
12	25.0	24.5	19.0	19.0	---	---	---	---	---	---	---	---
13	24.5	24.5	19.0	18.5	---	---	---	---	---	---	---	---
14	24.5	24.5	18.5	18.5	---	---	---	---	---	---	---	---
15	24.5	24.5	18.5	18.0	---	---	---	---	---	---	---	---
16	24.5	24.5	18.5	18.0	---	---	---	---	---	---	---	---
17	24.5	24.5	18.0	17.0	---	---	---	---	---	---	---	---
18	24.5	24.5	18.0	17.0	---	---	---	---	---	---	---	---
19	24.5	24.5	17.0	17.0	---	---	---	---	---	---	---	---
20	24.5	23.5	17.0	17.0	---	---	---	---	---	---	---	---
21	23.5	21.5	17.0	17.0	---	---	---	---	---	---	---	---
22	23.0	23.0	17.0	---	---	---	---	---	---	---	---	---
23	23.0	23.0	---	---	---	---	---	---	---	---	---	---
24	23.0	23.0	---	---	---	---	---	---	---	---	---	---
25	23.0	23.0	---	---	---	---	---	---	---	---	---	---
26	23.0	23.0	---	---	---	---	---	---	---	---	---	---
27	23.0	23.0	---	---	---	---	---	---	---	---	---	---
28	23.0	23.0	---	---	---	---	---	---	---	---	---	
29	23.0	23.0	---	---	---	---	---	---	---	---	---	
30	23.0	23.0	---	---	---	---	---	---	---	---	---	
31	23.0	23.0	---	---	---	---	---	--	---	---	---	
MONTH	28.0	21.5	---	---	---	---	---	-	---	---	---	

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MISS.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, at gaging station at bridge on county highway between Sunrise and Runnelstown, 3 miles south of Runnelstown, and 9 miles upstream from mouth.

DRAINAGE AREA.--612 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
NOV.										
03...	83	10	100	99	2.0	22	7.0	54	.80	--
15...	106	--	--	279	--	--	7.4	--	--	--
16...	--	--	80	--	--	--	--	--	--	--
DEC.										
16...	2800	70	15	67	15	55	6.0	12	1.0	--
16...	2800	--	--	80	--	--	--	--	--	--
JAN.										
13...	--	50	40	55	6.7	26	6.0	8	.78	--
MAR.										
02...	--	--	--	60	--	--	5.4	--	--	--
14...	1300	--	--	90	--	--	6.9	--	--	--
APR.										
11...	--	--	30	92	2.2	15	6.8	21	.39	--
11...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	125	--	--	6.2	--	--	--
JUNE										
08...	109	5	50	180	5.6	21	7.2	40	.73	.003
08...	--	--	--	150	--	--	7.2	--	--	--

DATE	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
NOV.									
03...	--	1.0	33	29	4.0	36	1.7	46	2.5
15...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
DEC.									
16...	--	.99	20	13	7.0	14	.8	32	2.4
16...	--	--	--	--	--	--	--	--	--
JAN.									
13...	--	.06	15	10	5.0	7.0	.5	24	1.3
MAR.									
02...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--
APR.									
11...	--	.35	55	20	35	17	.5	16	1.2
11...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
JUNE									
08...	.01	1.1	35	32	3.0	32	1.4	42	1.9
08...	.00	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
03...	10	600	1100	21.0	6.8	83	14	126	140
15...	--	--	--	15.6	9.2	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
DEC.									
16...	5.6	1900	44800	--	2.2	77	50	120	170
16...	--	--	--	18.5	2.2	--	--	--	--
JAN.									
13...	5.1	--	2100	14.5	6.2	43	40	90	130
MAR.									
02...	--	--	--	14.5	7.1	--	--	--	--
14...	--	--	--	16.5	8.3	--	--	--	--
APR.									
11...	4.9	--	3380	17.5	7.2	47	4	109	113
11...	--	--	--	17.5	7.8	--	--	--	--
26...	--	--	--	20.0	7.6	--	--	--	--
JUNE									
08...	12	--	4960	--	6.8	160	8	322	330
08...	--	--	--	27.0	6.8	--	--	--	--

02474580 BOGUE HOMO NEAR LAUREL, MISS.

LOCATION.--Lat 34°42'20", long 89°01'40", in SW¼ sec.32, T.9 N., R.10 W., St. Stephens meridian, Jones County, at bridge on U.S. Highway 84, 0.7 mile east of Cleo, and 5.2 miles east of Laurel.

DRAINAGE AREA.--

WATER QUALITY DATA, NOVEMBER 1971 TO APRIL 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
NOV.									
04...	.00	5	10	380	1.4	11	6.2	10	.40
17...	--	--	--	--	--	--	--	--	--
17...	3.5	--	--	--	--	--	--	--	--
JAN.									
14...	--	5	30	200	1.1	15	6.1	7	.50
14...	--	--	--	220	--	--	6.4	--	--
27...	--	--	--	220	--	--	6.0	--	--
MAR.									
02...	--	5	20	250	1.6	9	6.6	13	.56
02...	--	--	--	320	--	--	6.0	--	--
03...	--	55	45	45	4.2	23	6.3	7	.95
15...	--	--	--	400	--	--	6.2	--	--
APR.									
11...	--	--	--	340	.9	11	--	17	.56
11...	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.									
04...	--	--	.00	83	70	13	120	3.5	53
17...	.000	.07	--	--	--	--	74	--	--
17...	--	--	--	--	--	--	--	--	--
JAN.									
14...	--	--	.05	36	30	6.0	29	1.3	38
14...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
MAR.									
02...	--	--	.06	54	42	12	36	1.3	34
02...	--	--	--	--	--	--	--	--	--
03...	--	--	.27	15	8.0	7.0	5.5	.3	20
15...	--	--	--	--	--	--	--	--	--
APR.									
11...	--	--	.06	87	55	32	45	1.2	27
11...	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
04...	2.0	.5	--	--	--	150	20	283	303
17...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
JAN.									
14...	1.2	5.3	1400	13.0	9.4	117	20	147	167
14...	--	--	--	13.0	10.4	--	--	--	--
27...	--	--	--	14.0	8.3	--	--	--	--
MAR.									
02...	.6	12	1500	--	8.0	34	6	184	190
02...	--	--	--	17.0	7.5	--	--	--	--
03...	.4	7.4	16100	--	7.4	30	30	63	93
15...	--	--	--	20.0	5.6	--	--	--	--
APR.									
11...	1.0	4.9	583	--	8.6	197	6	261	267
11...	--	--	--	20.5	9.0	--	--	--	--

02476600 OKATIBBEE CREEK AT ARUNDEL, MISS.

LOCATION.--Lat 32°17'55", long 88°45'15", sec.3, T.5 N., R.15 E., St. Stephens meridian, Lauderdale County, at bridge on county road, 0.6 mile southeast of Arundel.

DRAINAGE AREA.--342 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO AUGUST 1972

DATE	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	ORGANIC NITROGEN (N) (MG/L)
NOV.									
04...	--	20	20	56	1.3	17	6.5	19	.70
15...	--	--	10	--	--	--	--	--	--
15...	175	--	--	--	--	--	--	--	--
JAN.									
17...	1500	46	40	45	.9	14	5.9	6	.56
17...	--	--	--	45	--	--	6.4	--	--
25...	--	--	--	70	--	--	6.6	--	--
MAR.									
08...	--	80	0	44	4.7	22	6.0	9	1.00
08...	--	--	--	70	--	--	6.7	--	--
13...	600	--	--	90	--	--	6.5	--	--
APR.									
11...	--	--	5	110	16	31	6.5	25	1.62
11...	--	--	--	--	--	--	--	--	--
25...	--	--	--	150	--	--	6.6	--	--
AUG.									
30...	--	--	--	165	--	--	--	--	--

DATE	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM
NOV.									
04...	--	--	.20	22	20	2.0	11	.6	29
15...	.010	.10	--	--	--	--	6.4	--	--
15...	--	--	--	--	--	--	--	--	--
JAN.									
17...	--	--	.23	11	6.0	5.0	--	--	--
17...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
MAR.									
08...	--	--	.04	14	9.0	5.0	3.5	.2	15
08...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
APR.									
11...	--	--	1.5	57	20	37	16	.5	15
11...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
AUG.									
30...	--	.00	--	--	--	--	--	--	--

DATE	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	LOSS ON IGNITION (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
NOV.									
04...	.2	11	--	--	--	43	28	62	90
15...	--	--	--	--	--	--	--	--	--
15...	--	--	--	14.	--	--	--	--	--
JAN.									
17...	--	8.6	400	--	8.9	40	62	51	113
17...	--	--	--	8.5	6.8	--	--	--	--
25...	--	--	--	16.0	8.1	--	--	--	--
MAR.									
08...	.4	9.9	38500	15.0	8.0	80	86	87	173
08...	--	--	--	15.0	8.2	--	--	--	--
13...	--	--	--	16.0	9.3	--	--	--	--
APR.									
11...	1.9	14	55600	19.5	2.6	57	40	103	143
11...	--	--	--	19.5	4.5	--	--	--	--
25...	--	--	--	21.5	3.6	--	--	--	--
AUG.									
30...	--	--	--	24.5	2.6	--	--	--	--

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MISS.

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, at gaging station at bridge on State Highway 513 in Enterprise, half a mile downstream from confluence of Chunky River and Okatibbee Creek.

DRAINAGE AREA.--913 sq mi.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C) WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	70	63	83	76	---	---	57	54	45	42	68	42
2	70	70	77	73	---	---	57	53	47	45	57	42
3	70	65	93	75	---	---	55	50	52	47	57	55
4	65	65	83	75	---	---	53	45	50	45	55	55
5	65	52	75	73	---	---	52	44	49	48	60	55
6	63	47	90	75	---	---	48	42	48	42	60	60
7	47	44	82	80	30	30	---	---	44	40	60	57
8	52	44	83	80	34	31	---	---	40	38	60	57
9	50	47	70	63	46	30	---	---	40	38	57	57
10	50	50	75	70	55	34	---	---	43	40	57	57
11	50	50	83	75	55	50	---	---	44	43	57	57
12	50	50	97	79	54	50	---	---	50	44	57	57
13	50	50	110	87	53	50	---	---	53	47	60	57
14	52	50	95	80	57	52	---	---	50	45	59	57
15	53	50	83	73	57	49	---	---	50	50	63	59
16	54	53	75	73	55	49	---	---	50	50	63	57
17	55	54	93	75	55	53	---	---	50	51	63	57
18	55	55	109	87	53	53	---	---	57	50	60	57
19	55	55	97	80	53	52	---	---	55	53	63	60
20	65	55	100	65	57	52	---	---	53	50	60	57
21	97	85	87	80	55	52	---	---	50	50	60	57
22	108	97	83	75	52	52	---	---	55	50	60	60
23	120	108	78	75	---	52	---	---	59	55	60	60
24	120	87	90	68	50	50	---	---	60	59	65	60
25	87	63	75	67	50	50	67	57	62	60	65	63
26	70	63	67	65	50	50	57	52	63	62	67	65
27	75	70	65	65	50	50	52	48	64	63	65	63
28	80	75	---	---	50	50	48	45	64	64	64	60
29	80	78	---	---	50	50	50	48	68	64	65	64
30	83	80	---	---	55	50	50	48	---	---	64	64
31	83	75	---	---	57	54	48	44	---	---	64	63
MONTH	120	44	110	63	---	30	---	---	68	38	68	42

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	65	63	80	73	115	85	---	---	90	75	180	155
2	65	63	73	70	180	85	---	---	110	90	160	150
3	65	63	75	65	90	85	---	---	120	110	170	160
4	65	63	80	75	95	85	---	---	130	120	160	145
5	---	---	83	80	100	95	---	---	140	130	150	140
6	---	---	9	83	110	100	---	---	160	140	140	130
7	---	---	95	90	115	110	---	---	160	160	140	130
8	---	---	100	95	130	105	---	---	---	---	145	130
9	---	---	100	100	135	130	---	---	---	---	155	140
10	---	---	105	80	140	130	---	---	---	---	150	140
11	---	---	100	80	175	95	---	---	---	---	170	140
12	70	70	80	73	125	75	---	---	---	---	150	135
13	73	73	73	53	90	80	170	65	---	---	140	130
14	75	73	55	50	130	125	80	60	---	---	150	130
15	75	75	63	55	140	125	100	75	---	---	155	145
16	80	78	68	63	155	135	85	75	---	---	155	145
17	80	78	75	68	145	115	85	80	---	---	170	145
18	80	80	75	73	130	125	90	80	---	---	145	130
19	85	83	75	73	130	100	110	90	---	---	150	130
20	93	88	75	73	105	100	120	110	---	---	130	120
21	93	75	78	75	125	105	125	120	---	---	130	120
22	90	75	78	73	120	90	140	125	---	---	140	130
23	83	70	78	70	100	90	160	140	---	---	140	135
24	75	70	73	68	105	100	160	160	---	---	140	100
25	70	70	77	73	130	105	160	140	---	---	110	105
26	77	70	80	73	140	130	---	---	---	---	110	105
27	80	77	85	80	150	140	---	---	---	---	125	105
28	80	80	90	85	150	150	90	80	---	---	150	100
29	80	78	93	89	---	---	125	90	---	---	105	95
30	83	78	97	89	---	---	115	70	150	150	125	85
31	---	---	97	95	---	---	75	70	180	150	---	---
MONTH	---	---	105	50	180	75	---	---	---	---	180	85
YEAR	180	30										

02479000 PASCAGOULA RIVER AT MERRILL, MISS.
(International Hydrological Decade River Station)

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, at gaging station at bridge on highway between Merrill and Avent, 0.5 mile downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile west of Merrill, and at at mile 80.8.

DRAINAGE AREA.--6,600 sq mi, approximately.

PERIOD OF RECORD: Chemical analyses: April 1970 to September 1972.
Water temperatures: April 1970 to June 1972.

EXTREMES.--1971-72 specific conductance: Maximum, 260 micromhos Dec. 23, 24; minimum, 45 micromhos May 8-10.

WATER QUALITY DATA, NOVEMBER 1971 to JUNE 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.												
17...	1850	--	--	--	--	--	--	--	--	--	--	--
17...	--	10	--	--	--	--	--	--	--	--	--	--
FEB.												
10...	35800	50	62	--	6.4	11	16	5.0	.9	5.8	.6	41
MAR.												
13...	--	--	80	--	6.5	--	--	--	--	--	--	--
14...	16500	--	80	--	6.4	--	--	--	--	--	--	--
APR.												
26...	--	--	100	--	6.2	--	--	--	--	--	--	--
JUNE												
08...	2330	20	100	3.7	6.8	18	21	18	3.0	18	1.8	40
15...	3060	15	90	--	6.1	15	17	5.6	.7	11	1.2	56

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
NOV.												
17...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	26	--	--	--	--	--
FEB.												
10...	1.3	5.0	63	6090	.09	--	8.4	7.4	14	.2	.09	41
MAR.												
13...	--	--	--	--	--	15.0	--	--	--	--	--	--
14...	--	--	--	--	--	17.0	--	--	--	--	--	--
APR.												
26...	--	--	--	--	--	21.0	--	--	--	--	--	--
JUNE												
08...	.7	7.2	--	--	--	--	16	--	--	--	.02	--
15...	1.3	6.4	64	529	.09	--	14	8.8	18	.1	.08	57

02479000 PASCAGOULA RIVER AT MERRILL, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	112	112	135	130	120	90	85	70	100	55
2	120	110	115	112	130	130	90	80	70	70	60	55
3	125	110	115	112	130	130	85	80	70	65	60	55
4	120	110	115	115	130	130	90	85	65	60	60	55
5	120	110	115	115	135	130	85	60	65	60	65	60
6	120	105	115	115	140	130	55	50	70	65	70	65
7	105	100	115	115	140	140	55	55	70	70	75	70
8	100	85	115	115	140	140	60	55	70	60	75	75
9	185	85	115	115	145	140	60	55	60	60	75	70
10	95	90	115	115	155	145	60	55	60	60	75	70
11	110	95	115	110	160	155	70	55	60	60	75	75
12	110	100	110	100	160	160	75	70	65	60	80	75
13	130	95	100	100	160	160	80	75	65	65	80	80
14	95	75	100	100	160	160	80	80	70	65	85	85
15	90	65	100	100	160	160	85	80	70	70	87	85
16	90	70	100	100	160	160	90	85	75	70	90	85
17	80	70	100	100	160	160	85	70	75	75	90	87
18	95	80	100	100	160	160	80	70	75	70	90	90
19	95	90	100	100	160	160	70	65	70	70	95	85
20	90	65	100	100	160	160	65	65	60	70	95	85
21	70	70	100	100	160	120	70	65	85	80	95	90
22	200	95	130	100	120	100	70	70	85	85	95	90
23	145	95	125	120	260	120	70	70	90	85	100	95
24	100	95	120	120	260	150	70	70	90	90	100	95
25	100	100	120	120	160	150	70	65	90	90	105	100
26	220	100	120	120	150	150	75	70	100	90	105	100
27	115	100	120	118	150	150	80	75	100	100	105	100
28	110	105	150	118	150	140	80	80	100	100	100	95
29	110	110	145	130	140	85	85	80	100	100	95	85
30	110	110	130	130	100	95	90	85	---	---	90	85
31	112	110	---	---	130	95	85	80	---	---	110	80
MONTH	220	65	150	100	260	85	120	50	100	60	110	55

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	120	95	155	130	140	120	250	80	110	100	120	115
2	100	90	140	115	150	140	140	85	100	85	120	115
3	100	95	120	85	160	150	200	105	90	85	120	115
4	100	95	85	75	160	150	225	105	115	90	120	115
5	95	90	90	75	150	150	130	120	130	115	120	115
6	90	85	100	90	155	150	115	105	130	115	115	115
7	95	90	100	50	150	150	120	110	115	110	120	115
8	100	90	90	45	150	150	120	110	115	110	110	110
9	100	90	45	45	130	110	120	110	110	105	110	110
10	100	100	50	45	120	110	120	105	105	100	110	110
11	100	100	65	45	120	110	125	115	100	100	110	110
12	110	100	80	65	120	105	130	120	100	100	110	110
13	110	110	80	60	105	105	120	110	100	100	115	110
14	110	110	60	55	105	105	110	110	100	100	115	115
15	115	105	60	55	105	105	110	100	100	100	115	110
16	115	110	70	60	115	100	100	90	100	100	120	115
17	110	100	90	70	120	115	100	90	115	100	115	115
18	110	100	105	90	120	105	120	100	140	110	120	115
19	115	100	105	105	110	100	140	110	140	120	120	115
20	120	110	110	105	110	100	135	130	120	120	115	115
21	130	120	105	105	165	115	130	110	120	110	115	110
22	130	110	105	105	130	110	110	100	115	110	120	115
23	110	90	110	105	120	110	100	100	110	110	120	115
24	90	75	110	110	120	110	100	100	110	105	120	115
25	90	75	110	105	110	110	100	100	110	105	120	120
26	90	80	120	110	120	105	100	75	110	105	120	120
27	110	90	130	125	105	105	85	80	110	105	120	120
28	130	110	130	125	105	105	90	85	110	105	125	120
29	130	130	155	125	105	105	100	90	110	105	120	100
30	130	130	140	115	115	100	100	90	110	105	120	105
31	---	---	120	115	---	---	100	90	115	110	---	---
MONTH	130	75	155	45	165	100	250	75	140	85	125	100
YEAR	260	45										

02479000 PASCAGOULA RIVER AT MERRILL, MISS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	22.5	21.5	14.0	14.0	18.0	16.0	18.0	18.0	---	---
2	---	---	23.0	22.5	13.0	13.0	19.0	17.0	19.0	17.0	---	---
3	---	---	23.0	21.5	12.5	12.5	18.5	17.0	19.0	17.0	18.0	17.5
4	---	---	21.5	20.0	12.5	12.5	19.0	17.0	19.5	18.0	18.0	15.5
5	27.5	26.5	20.0	19.0	12.5	12.5	20.0	19.0	19.0	17.0	17.5	15.0
6	27.0	26.5	19.0	18.5	12.5	12.5	15.5	13.5	---	---	16.5	16.5
7	26.5	25.0	19.0	18.0	14.5	12.5	15.5	13.5	12.0	9.5	18.0	15.5
8	25.5	24.0	18.0	17.0	14.5	14.5	15.0	13.0	12.5	11.0	17.0	16.0
9	25.0	24.0	17.5	16.5	14.5	14.0	14.0	12.0	12.0	10.0	18.0	16.5
10	24.0	23.0	16.5	16.0	14.5	14.0	12.0	12.0	12.0	10.5	18.5	15.5
11	23.0	22.0	16.5	15.5	15.5	14.5	13.0	12.0	12.0	10.5	18.0	15.0
12	22.5	21.5	16.0	15.5	---	---	14.0	12.0	12.0	10.5	17.0	15.0
13	22.0	21.5	16.5	16.0	---	---	15.5	15.5	12.0	11.0	17.0	15.0
14	23.0	22.0	17.0	16.0	---	---	18.5	15.5	13.0	11.0	16.0	15.0
15	23.5	22.5	17.0	16.5	---	---	19.5	17.5	---	---	15.5	14.5
16	24.0	23.0	17.5	17.0	---	---	20.0	19.5	---	---	16.5	15.0
17	24.0	24.0	18.0	17.0	22.0	19.5	20.0	17.5	---	---	17.5	15.5
18	24.0	23.5	18.0	17.5	23.0	21.5	18.0	16.5	15.0	13.5	17.0	15.5
19	24.0	23.5	18.0	18.0	23.5	20.5	16.5	16.0	16.0	14.5	17.0	15.0
20	24.0	23.0	17.5	17.0	20.5	20.0	16.5	16.0	16.5	14.0	17.0	15.0
21	22.5	21.5	17.5	17.0	21.0	19.5	17.0	16.0	16.0	13.0	16.0	15.0
22	22.5	22.0	16.5	16.5	21.5	20.0	16.0	15.0	14.0	12.5	17.0	15.0
23	22.5	22.0	16.0	16.0	22.0	21.0	16.0	15.0	14.0	13.0	17.5	14.0
24	22.0	21.5	15.0	15.0	22.5	21.5	15.0	15.0	15.0	13.0	17.0	14.5
25	22.0	21.0	14.5	14.0	22.5	20.0	17.0	15.0	13.5	13.0	17.0	15.5
26	22.0	21.0	15.0	14.0	22.0	21.5	17.0	15.5	14.0	13.0	18.0	16.0
27	22.0	21.0	15.0	14.5	---	---	16.5	15.0	14.5	13.5	20.0	18.0
28	22.0	21.0	15.0	14.5	---	---	16.0	15.0	15.0	13.0	19.5	18.5
29	22.0	21.0	15.0	14.5	17.0	16.0	18.0	15.0	13.5	13.0	20.0	19.5
30	22.0	21.0	14.5	14.5	17.0	16.0	18.5	16.0	---	---	21.0	20.0
31	22.0	21.5	---	---	18.0	17.0	19.0	18.0	---	---	21.5	20.5
MONTH	27.5	21.0	23.0	14.0	---	---	20.0	12.0	19.5	9.5	21.5	14.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	22.0	20.5	---	---	31.0	30.0	---	---	27.5	27.0	28.5	27.5
2	22.0	19.5	---	---	31.0	29.0	---	---	27.5	27.5	28.5	27.5
3	22.5	19.5	30.5	29.5	31.0	29.0	---	---	---	---	28.5	27.0
4	20.5	19.5	31.0	30.0	31.0	28.5	---	---	28.0	27.0	28.5	27.5
5	21.0	19.5	31.5	30.0	30.0	28.0	---	---	28.0	27.0	28.5	27.5
6	21.0	19.0	31.0	29.5	30.0	29.0	---	---	28.0	27.5	28.5	27.5
7	---	---	30.0	30.0	29.0	28.0	---	---	27.5	27.0	28.0	27.5
8	---	---	30.0	29.5	29.0	28.0	---	---	28.0	27.0	28.0	27.5
9	22.0	19.5	30.0	29.0	---	---	---	---	27.5	27.0	28.0	27.5
10	20.5	18.5	31.0	30.0	---	---	---	---	28.0	27.0	28.0	27.5
11	19.5	18.5	30.5	30.5	---	---	---	---	28.0	27.0	28.5	28.0
12	19.0	18.0	30.5	30.0	---	---	---	---	28.0	27.5	29.0	28.0
13	18.5	18.0	30.0	30.0	---	---	---	---	28.0	28.0	29.0	27.5
14	19.0	18.0	30.5	30.0	---	---	---	---	28.0	27.5	29.0	28.0
15	18.0	18.0	30.0	29.0	---	---	---	---	28.5	28.0	28.5	27.5
16	19.5	18.0	31.0	29.0	---	---	---	---	28.0	28.0	28.5	27.5
17	20.0	18.5	30.5	29.5	---	---	---	---	28.0	28.0	28.0	27.5
18	20.5	18.0	30.5	29.5	---	---	---	---	28.0	28.0	28.0	27.0
19	20.0	18.0	30.5	28.0	---	---	---	---	28.0	28.0	28.0	27.5
20	19.5	18.0	30.5	29.0	---	---	---	---	28.0	27.5	28.0	27.5
21	18.5	18.0	30.5	29.5	---	---	---	---	28.0	27.5	28.0	27.5
22	19.5	18.0	30.5	28.0	---	---	---	---	28.0	27.5	28.5	28.0
23	20.0	19.5	30.0	28.0	---	---	---	---	28.0	27.0	28.5	28.0
24	19.5	18.5	29.5	28.0	---	---	---	---	28.0	27.5	28.5	28.0
25	20.0	19.0	30.0	28.0	---	---	---	---	28.0	27.5	28.5	28.0
26	21.0	19.0	29.0	27.0	---	---	---	---	28.0	27.5	28.0	28.0
27	---	---	30.0	29.5	---	---	26.0	25.0	28.0	27.5	28.5	28.0
28	---	---	30.0	29.0	---	---	26.5	26.0	28.5	28.0	28.5	28.0
29	---	---	30.0	28.5	---	---	27.0	26.5	28.5	27.5	28.5	28.0
30	---	---	29.5	28.0	---	---	27.0	27.0	28.5	27.5	30.0	28.0
31	---	---	30.5	29.0	---	---	27.5	27.0	28.5	27.0	---	---
MONTH	22.5	18.0	31.5	27.0	---	---	---	---	28.5	27.0	30.0	27.0
YEAR	31.5	9.5										

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.

LOCATION.--Lat 30°52'45", long 88°46'22", on line between sec.15 and 22, T.2 S., R.8 W., St. Stephens meridian, George County, at bridge, on State Highway 26, 0.4 mile upstream from Bates Creek, 2.1 miles east of Benndale, and 11.7 miles southwest of Lucedale.

DRAINAGE AREA.--6,690 sq mi, approximately.

WATER QUALITY DATA, NOVEMBER 1971 TO AUGUST 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
NOV.										
03...	3210	10	20	88	1.7	7	6.6	13	--	.006
17...	1790	--	15	--	--	--	--	--	--	.010
17...	1790	--	--	130	--	--	7.1	--	--	--
DEC.										
16...	35000	43	30	51	3.1	25	6.3	8	.99	--
16...	35000	--	--	60	--	--	--	--	--	--
JAN.										
13...	--	80	35	47	6.0	24	6.1	5	.73	--
27...	--	--	--	70	--	--	6.0	--	--	--
MAR.										
02...	--	110	35	43	2.6	20	6.0	5	.46	--
02...	--	--	--	60	--	--	5.9	--	--	--
APR.										
12...	--	25	15	41	.9	11	6.6	14	.56	--
12...	--	--	--	--	--	--	--	--	--	--
AUG.										
03...	3050	16	5	220	1.9	9	6.5	15	.73	.002

DATE	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
NOV.									
03...	.07	.20	19	14	5.0	22	1.3	46	1.4
17...	.20	--	--	--	--	14	--	--	--
17...	--	--	--	--	--	--	--	--	--
DEC.									
16...	--	.20	12	8.0	4.0	11	.8	39	1.9
16...	--	--	--	--	--	--	--	--	--
JAN.									
13...	--	.15	13	9.0	4.0	6.0	.4	24	1.3
27...	--	--	--	--	--	--	--	--	--
MAR.									
02...	--	.03	14	8.0	6.0	5.0	.3	20	.2
02...	--	--	--	--	--	--	--	--	--
APR.									
12...	--	.08	27	23	4.0	18	.9	34	.6
12...	--	--	--	--	--	--	--	--	--
AUG.									
03...	.05	.17	16	14	2.0	19	1.3	49	1.0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
03...	11	40	--	22.5	7.4	60	20	70	90
17...	--	--	--	14.0	--	--	--	--	--
17...	--	--	--	15.0	9.3	--	--	--	--
DEC.									
16...	5.9	1550	6350	--	5.6	43	32	105	137
16...	--	--	--	19.0	5.4	--	--	--	--
JAN.									
13...	2.1	--	1350	15.0	7.6	47	62	78	140
27...	--	--	--	14.0	9.8	--	--	--	--
MAR.									
02...	10	--	11500	--	7.5	457	4	1306	1310
02...	--	--	--	17.5	7.1	--	--	--	--
APR.									
12...	10	--	850	18.5	7.6	47	26	770	103
12...	--	--	--	18.5	8.5	--	--	--	--
AUG.									
03...	9.5	--	1200	--	6.6	43	12	65	77

02479155 CYPRESS CREEK NEAR JANICE, MISS.
(Hydrologic bench-mark and pesticide station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NW¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, at gaging station at bridge on State Highway 29 bridge, 1.2 miles east of Janice.

DRAINAGE AREA.--52.2 sq mi.

PERIOD OF RECORD.--Chemical analyses: December 1966 to September 1972.

WATER QUALITY DATA, OCTOBER 1971 TO AUGUST 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT. 17...	14	15	33	6.3	9	9	2.7	.5	2.0	.3	28	2.0
NOV. 16...	--	20	--	--	--	--	--	--	--	--	--	--
16...	16	--	50	64.0	--	--	--	--	--	--	--	--
JAN. 24...	218	20	20	5.3	2	3	.8	.2	2.0	.5	57	.4
MAR. 13...	--	--	22	5.8	--	--	--	--	--	--	--	--
MAY 24...	24	40	18	5.2	2	2	.8	.0	2.5	.8	68	.4
JUNE 15...	21	30	19	5.5	2	3	.9	.2	1.9	.5	54	.4
AUG. 01...	12	30	17	6.1	3	0	.7	.1	1.9	.6	61	.4

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
OCT. 17...	5.3	36	1.36	.05	--	1.7	11	11	.0	--	30
NOV. 16...	--	--	--	--	--	3.6	--	--	--	--	--
16...	--	--	--	--	15.0	--	--	--	--	--	--
JAN. 24...	.4	35	20.6	.05	16.0	3.0	8.5	2	1.0	.09	17
MAR. 13...	--	--	--	--	14.0	--	--	--	--	--	--
MAY 24...	.0	34	2.20	.05	--	2.6	10	3	.0	.09	18
JUNE 15...	1.2	35	1.98	.05	--	3.3	9.7	3	.1	.02	19
AUG. 01...	.8	28	.93	.04	27.0	3.4	10	4	.0	.02	19

02479155 CYPRESS CREEK NEAR JANICE, MISS.--Continued

DATE	TYPE	TIME	TEMP-ERATURE (DEG C) 00010	ALDRIN (UG/L) 39330	DDD (UG/L) 39360	DDE (UG/L) 39365	DDT (UG/L) 39370	DI-ELDRIN (UG/L) 39380	ENDRIN (UG/L) 39390	HEPTA-CHLOR (UG/L) 39410	HEPTA-CHLOR EPOXIDE (UG/L) 39420	LINDANE (UG/L) 39340
OCT. 17	2	1800		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUG. 01	2	1345	27.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DATE	CHLOR-DANE (UG/L) 39350	DI-AZINON (UG/L) 39570	MALA-THION (UG/L) 39530	METHYL PARA-THION (UG/L) 39600	PARA-THION (UG/L) 39540	2,4-D (UG/L) 39730	SILVEX (UG/L) 39760	2,4,5-T (UG/L) 39740	TOTAL ORGANIC CARBON (C) (MG/L) 00680	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)
OCT. 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		<0.20	<0.20	<0.20
AUG. 01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.5	--	--	--

DATE	TYPE	TIME	TEMP-ERATURE (DEG C) 00010	ALDRIN IN BOTTOM DE-POSITS (UG/KG) 39333	DDD IN BOTTOM DE-POSITS (UG/KG) 39363	DDE IN BOTTOM DE-POSITS (UG/KG) 39368	DDT IN BOTTOM DE-POSITS (UG/KG) 39373	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG) 39383	ENDRIN IN BOTTOM DE-POSITS (UG/KG) 39393	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG) 39413	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG) 39423	LINDANE IN BOTTOM DE-POSITS (UG/KG) 39343
OCT. 17	2	1800		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
AUG. 01	2	1345	27.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

DATE	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG) 39351	ALDRIN (UG/L) 39330	DDD (UG/L) 39360	DDE (UG/L) 39365	DDT (UG/L) 39370	DI-ELDRIN (UG/L) 39380	ENDRIN (UG/L) 39390	HEPTA-CHLOR (UG/L) 39410	HEPTA-CHLOR EPOXIDE (UG/L) 39420	LINDANE (UG/L) 39340	CHLOR-DANE (UG/L) 39350	DI-AZINON (UG/L) 39570
OCT. 17	<1.0											
AUG. 01	<1.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DATE	MALA-THION (UG/L) 39530	METHYL PARA-THION (UG/L) 39600	PARA-THION (UG/L) 39540	2,4-D (UG/L) 39730	SILVEX (UG/L) 39760	2,4,5-T (UG/L) 39740	TOTAL ORGANIC CARBON (C) (MG/L) 00680
AUG. 01	0.00	0.00	0.00	0.00	0.00	0.00	5.5

DATE	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)
OCT. 1971												
17	29	<.4	<.1	<.5	<.5	3	.07	.07	<.4	<.1	1.3	1.5

02479170 BLACK CREEK NEAR BENNDALE, MISS.

LOCATION.--Lat 30°46'50", long 88°45'40", in SW¼ sec.14, T.3 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 57, 0.7 mile north of Broome School, and 7.6 miles south of Benndale.

DRAINAGE AREA.--760 sq mi, approximately.

WATER QUALITY DATA, NOVEMBER 1971 TO AUGUST 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
NOV.										
03...	--	5	25	26	1.1	8	6.2	4	.40	--
17...	--	--	2-	--	--	--	--	--	--	.000
17...	332	--	--	<50	--	--	6.9	--	--	--
DEC.										
16...	3860	50	15	23	1.7	21	5.6	3	.67	--
16...	3860	--	--	85	--	--	--	--	--	--
JAN.										
13...	--	20	35	22	3.7	18	5.2	2	.62	--
13...	--	--	--	<50	--	--	5.0	--	--	--
27...	--	--	--	<50	--	--	4.6	--	--	--
MAR.										
02...	--	120	35	15	2.5	20	5.0	2	.78	--
02...	--	--	--	--	--	--	4.9	--	--	--
15...	--	--	--	38	--	--	6.1	--	--	--
APR.										
12...	--	--	25	51	3.0	10	5.9	4	.34	--
JUNE										
07...	--	--	--	<50	--	--	6.5	--	--	--
09...	--	5	20	30	1.1	6	6.2	5	.34	.002
AUG.										
03...	--	8	15	29	1.8	9	6.2	5	.73	.002

DATE	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
NOV.									
03...	--	.00	5	4.0	1.0	7.5	.9	62	.6
17...	.10	--	--	--	--	3.2	--	--	--
17...	--	--	--	--	--	--	--	--	--
DEC.									
16...	--	.10	5	3.0	2.0	5.5	.6	61	1.1
16...	--	--	--	--	--	--	--	--	--
JAN.									
13...	--	.07	5	2.0	3.0	3.0	.3	26	1.0
13...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
MAR.									
02...	--	.07	6	2.0	2.0	1.5	.2	19	.2
02...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
APR.									
12...	--	.06	10	[illegible]	[illegible]	[illegible]	.6	26	.6
JUNE									
07...	.08	--	--	--	--	--	--	--	--
09...	.19	.11	5	[illegible]	1.0	[illegible]	.9	55	.2
AUG.									
03...	.02	.11	[illegible]	[illegible]	[illegible]	[illegible]	.6	61	.2

DATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOV.									
03...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17...	--	--	--	--	--	--	--	--	--
17...	--	--	--	[illegible]	[illegible]	--	--	--	--
DEC.									
16...	[illegible]	[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16...	--	--	--	[illegible]	[illegible]	--	--	--	--
JAN.									
13...	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13...	--	--	--	[illegible]	[illegible]	--	--	--	--
27...	--	--	--	[illegible]	[illegible]	--	--	--	--
MAR.									
02...	[illegible]	--	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
02...	--	--	--	[illegible]	[illegible]	--	--	--	--
15...	--	--	--	[illegible]	[illegible]	--	--	--	--
APR.									
12...	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE									
07...	--	--	--	[illegible]	[illegible]	--	--	--	--
09...	[illegible]	--	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG.									
03...	[illegible]	--	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

02480207 ESCATAWPA RIVER AT MOSS POINT, MISS.

LOCATION.--Lat 30°25'35", long 88°32'40", in sec.24, T.7 S., R.6 W., St. Stephens meridian, Jackson County, at bridge on State Highway 63, in Moss Point.

DRAINAGE AREA.--

WATER QUALITY DATA, NOVEMBER 1971 TO AUGUST 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
NOV.										
03...	--	10	35	17000	1.8	196	6.8	54	.10	--
18...	1700	--	--	--	--	--	--	--	--	.010
18...	--	--	40	--	--	--	--	--	--	--
18...	--	--	--	8000	--	--	--	--	--	--
DEC.										
16...	--	15	40	300	3.3	26	5.9	10	.67	--
16...	--	--	--	340	--	--	--	--	--	--
JAN.										
13...	--	20	60	640	6.4	27	5.8	8	.73	--
13...	--	--	--	675	--	--	6.2	--	--	--
26...	--	--	--	160	--	--	--	--	--	--
MAR.										
02...	--	10	50	1800	2.4	22	6.2	8	.95	--
02...	--	--	--	2200	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
APR.										
12...	--	25	50	3500	4.8	28	6.2	13	.52	--
12...	--	--	--	--	--	--	--	--	--	--
JUNE										
08...	--	45	45	5500	5.6	32	6.4	19	.05	.002
08...	--	--	--	8000	--	--	--	--	--	--
AUG.										
03...	--	8	30	8800	4.6	40	6.3	30	.05	.002

DATE	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
NOV.									
03...	--	.10	2700	500	2900	2100	9.3	31	105
18...	--	--	--	--	--	--	--	--	--
18...	.10	--	--	--	--	4100	--	--	--
18...	--	--	--	--	--	--	--	--	--
DEC.									
16...	--	.15	30	22	13	60	[illegible]	97	3.2
16...	--	--	--	--	--	--	--	--	--
JAN.									
13...	--	--	--	84	96	170	[illegible]	91	6.3
13...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
MAR.									
02...	--	.11	259	71	137	900	[illegible]	90	[illegible]
02...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
APR.									
12...	--	.06	623	--	--	700	17	79	22
12...	--	--	--	--	--	--	--	--	--
JUNE									
08...	.08	.17	[illegible]	276	290	1450	[illegible]	51	60
08...	.98	--	--	--	--	--	--	--	--
AUG.									
03...	.04	.22	1160	[illegible]	[illegible]	1420	16	56	60

[illegible]

02482550 PEARL RIVER NEAR CARTHAGE, MISS.

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, at gaging station at bridge on State Highway 35, 2.1 miles south of Carthage, 4.0 miles downstream from Lobutcha Creek, and 10.8 miles upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,367 sq mi.

WATER QUALITY DATA, NOVEMBER 1971 TO APRIL 1972

DATE	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)
NOV.								
04...	--	10	20	47	1.7	9	6.5	15
JAN.								
17...	6250	10	45	29	--	--	5.6	4
17...	--	--	--	<50	--	--	6.2	--
MAR.								
08...	3400	--	--	30	3.0	16	5.8	6
08...	--	--	--	<50	--	--	6.3	--
APR.								
10...	--	--	15	56	1.5	12	6.4	15

DATE	ORGANIC NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	DISSOLVED POTASSIUM (K) (MG/L)
NOV.									
04...	.48	03	15	10	5.0	11	.7	33	2.0
JAN.									
17...	.47	14	8	5.0	3.0	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
MAR.									
08...	.78	15	9	5.0	4.0	3.0	.2	18	.4
08...	--	--	--	--	--	--	--	--	--
APR.									
10...	180	17	42	11	31	9.5	.3	12	1.1

DATE	DISSOLVED SULFATE (SO4) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	LOSS ON IGNITION (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
NOV.								
04...	7.0	--	--	--	67	26	76	100
JAN.								
17...	4.0	200	11.0	--	47	60	27	--
17...	--	--	11.0	10.9	--	--	--	--
MAR.								
08...	1.0	2600	12.0	9.2	93	66	93	97
08...	--	--	12.0	10.5	--	--	--	--
APR.								
10...	2.5	0	--	7.0	33	26	66	95

02487000 PEARL RIVER NEAR GEORGETOWN, MISS.

LOCATION.--Lat 31°52'30" long 90°08'25", in SW¼ sec.31, T.1 N., R.2 E., Choctaw meridian, Copiah County, at bridge on State Highway 28, 2 miles east of Georgetown, Miss.

DRAINAGE AREA.--3,790 sq mi, approximately.

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.									
27...	--	10	20	80	.8	11	6.7	22	.90
27...	--	--	--	100	--	--	5.2	--	--
DEC.									
08...	17400	110	70	48	2.8	15	6.0	7	.78
08...		--	--	60	--	--	6.0	--	--
JAN.									
12...	--	50	30	54	2.2	19	5.9	6	.84
12...	--	--	--	60	--	--	6.4	--	--
MAR.									
01...	--	35	15	64	2.4	16	6.0	8	1.4
01...	--	--	--	90	--	--	5.7	--	--
APR.									
19...	--	29	28	110	4.7	16	6.5	26	.78
19...	--	--	--	125	--	--	6.1	--	--
JUNE									
07...	--	37	20	120	1.1	19	6.6	31	1.6
07...	--	--	--	170	--	--	6.9	--	--

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
OCT.									
27...	--	--	.30	22	17	5.0	16	.9	35
27...	--	--	--	--	--	--	--	--	--
DEC.									
08...	--	--	--	14	10	4.0	6.5	.4	24
08...	--	--	--	--	--	--	--	--	--
JAN.									
12...	--	--	.10	14	9.0	5.0	6.0	.6	23
12...	--	--	--	--	--	--	--	--	--
MAR.									
01...	--	--	.11	18	10	4.5	5.5	.3	17
01...	--	--	--	--	--	--	--	--	--
APR.									
19...	--	--	.26	--	--	--	16	--	--
19...	--	--	--	--	--	--	--	--	--
JUNE									
07...	.006	.04	.06	35	26	5.0	22	.9	31
07...	--	.00	--	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPERA-TURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
OCT.									
27...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27...	--	--	--	[illegible]	[illegible]	--	--	--	--
DEC.									
08...	[illegible]	[illegible]	[illegible]	--	--	[illegible]	[illegible]	[illegible]	[illegible]
08...	--	--	--	[illegible]	[illegible]	--	--	--	--
JAN.									
12...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12...	--	--	--	[illegible]	[illegible]	--	--	--	--
MAR.									
01...	[illegible]	[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01...	--	--	--	[illegible]	[illegible]	--	--	--	--
APR.									
19...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19...	--	--	--	[illegible]	[illegible]	--	--	--	--
JUNE									
07...	[illegible]	[illegible]	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
07...	--	--	--	[illegible]	[illegible]	--	--	--	--

02488500 PEARL RIVER NEAR MONTICELLO, MISS.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, at gaging station at bridge on U.S. Highway 84, 1.0 mile east of Monticello, 2.5 miles upstream from Halls Creek, and 3 miles upstream from Silver Creek.

DRAINAGE AREA.--5,040 sq mi, approximately.

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.									
27...	--	10	25	100	1.1	13	6.6	26	.50
27...	950	--	--	110	--	--	5.2	--	--
DEC.									
08...	--	--	40	27	2.8	18	5.9	6	.95
08...	30500	--	--	40	--	--	6.1	--	--
JAN.									
12...	--	72	30	47	1.4	20	5.8	5	.73
12...	--	--	--	<50	--	--	6.0	--	--
MAR.									
01...	--	50	10	76	2.8	16	6.3	13	.95
01...	--	--	--	90	--	--	5.9	--	--
APR.									
19...	--	31	15	99	4.0	19	6.7	20	.78
19...	--	--	--	115	--	--	5.9	--	--
JUNE									
07...	--	--	--	170	--	--	5.9	--	--
07...	680	5	30	130	2.1	19	6.6	30	.67

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
OCT.									
27...	--	--	.20	12	10	2.0	16	1.2	49
27...	--	--	--	--	--	--	--	--	--
DEC.									
08...	--	--	--	6	4.0	2.0	5.5	.6	37
08...	--	--	--	--	--	--	--	--	--
JAN.									
12...	--	--	.21	13	8.0	5.0	5.0	.3	28
12...	--	--	--	--	--	--	--	--	--
MAR.									
01...	--	--	.08	20	14	6.0	8.8	.5	24
01...	--	--	--	--	--	--	--	--	--
APR.									
19...	--	--	.16	35	29	10	20	.9	29
19...	--	--	--	--	--	--	--	--	--
JUNE									
07...	--	.08	--	--	--	--	--	--	--
07...	.023	.03	.20	14	10	4.0	32	2.2	61

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
OCT.									
27...	2.3	14	7700	23.0	5.0	60	20	100	120
27...	--	--	--	23.0	5.8	--	--	--	--
DEC.									
08...	1.6	3.8	[illegible]	--	--	73	126	13	137
08...	--	--	--	12.0	9.0	--	--	--	--
JAN.									
12...	1.5	6.7	[illegible]	13.0	8.6	67	50	67	117
12...	--	--	--	13.6	10.3	--	--	--	--
MAR.									
01...	.6	17	3600	--	7.0	60	66	66	140
01...	--	--	--	16.0	7.1	--	--	--	--
APR.									
19...	2.1	20	[illegible]	20.5	7.8	50	66	[illegible]	[illegible]
19...	--	--	--	20.5	6.2	--	--	--	--
JUNE									
07...	--	--	--	27.0	6.7	--	--	--	--
07...	6.0	20	--	--	5.6	[illegible]	[illegible]	[illegible]	[illegible]

02489000 PEARL RIVER NEAR COLUMBIA, MISS.

LOCATION.--Lat 31°14', long 89°51', in E½ sec.7, T.3 N., R.18 W., St. Stephens meridian, Marion County, at gaging station at bridge on U.S. Highway 98, 1.5 miles southwest of Columbia, 2 miles downstream from Fernwood, Columbia, and Gulf Railroad bridge, 2.2 miles upstream from Silver Creek, and 2.8 miles downstream from Jones Creek.

DRAINAGE AREA.--5,690 sq mi, approximately.

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.									
27...	--	5	20	84	.6	9	6.7	22	.60
27...	1300	--	--	100	--	--	5.4	--	--
DEC.									
08...	30000	140	80	27	3.6	18	5.9	6	.67
08...	30000	--	--	40	--	--	5.8	--	--
JAN.									
12...	--	76	30	40	2.0	19	6.0	5	.78
12...	--	--	--	<50	--	--	6.4	--	--
MAR.									
01...	--	95	10	74	1.6	13	6.3	13	.84
01...	--	--	--	95	--	--	6.6	--	--
APR.									
19...	--	41	10	62	2.8	10	6.2	9	.73
19...	--	--	--	80	--	--	5.7	--	--
JUNE									
07...	952	<5	25	85	.1	8	6.5	17	.50
07...	--	--	--	95	--	--	6.9	--	--

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
OCT.									
27...	--	--	.40	14	10	4.0	20	1.4	50
27...	--	--	--	--	--	--	--	--	--
DEC.									
08...	--	--	--	6	4.0	2.0	[illegible]	.6	38
08...	--	--	--	--	--	--	--	--	--
JAN.									
12...	--	--	.17	13	[illegible]	5.5	4.5	.3	19
12...	--	--	--	--	--	--	--	--	--
MAR.									
01...	--	--	.23	20	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--
APR.									
19...	--	--	.14	19	13	[illegible]	11	.5	29
19...	--	--	--	--	--	--	--	--	--
JUNE									
07...	.002	.03	.32	12	[illegible]	[illegible]	20	1.6	52
07...	--	.00	--	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
OCT.									
27...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27...	--	--	--	[illegible]	[illegible]	--	--	--	--
DEC.									
08...	[illegible]	[illegible]	[illegible]	--	--	[illegible]	[illegible]	[illegible]	[illegible]
08...	--	--	--	[illegible]	[illegible]	--	--	--	--
JAN.									
12...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12...	--	--	--	[illegible]	[illegible]	--	--	--	--
MAR.									
01...	--	[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01...	--	--	--	[illegible]	[illegible]	--	--	--	--
APR.									
19...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19...	--	--	--	[illegible]	[illegible]	--	--	--	--
JUNE									
07...	[illegible]	[illegible]	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
07...	--	--	--	[illegible]	[illegible]	--	--	--	--

02490900 BOGUE CHITTO NEAR LEHR, MISS.

LOCATION.--Lat 31°01'20", long 90°12'20", on line between secs.28 and 29, T.1 N., R.10 W., Washington meridian, Walthall County, at bridge on county highway between Lehr and Dillion, and 1.0 mile southwest of Lehr.

DRAINAGE AREA.--

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT.									
27...	--	5	5	42	.7	1	6.4	6	.20
27...	250	--	--	46	--	--	5.4	--	--
JAN.									
12...	--	92	35	37	3.1	19	6.0	5	.84
12...	--	--	--	<50	--	--	6.3	--	--
MAR.									
01...	--	35	15	36	2.8	11	6.3	8	.67
01...	--	--	--	45	--	--	6.5	--	--
APR.									
19...	--	5	15	60	3.2	8	6.3	8	.56
19...	--	--	--	70	--	--	6.6	--	--
JUNE									
07...	--	5	5	40	2.9	2	6.2	8	.28
07...	--	--	--	<50	--	--	7.0	--	--

DATE	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM
OCT.									
27...	--	--	--	8	6.0	2.0	9.5	.9	46
27...	--	--	--	--	--	--	--	--	--
JAN.									
12...	--	--	.04	0	5.0	3.0	5.0	.4	29
12...	--	--	--	--	--	--	--	--	--
MAR.									
01...	--	--	.11	8	5.0	3.0	4.0	.3	26
01...	--	--	--	--	--	--	--	--	--
APR.									
19...	--	--	.17	24	17	7.0	11	.6	25
19...	--	--	--	--	--	--	--	--	--
JUNE									
07...	.001	.08	.08	8	5.0	3.0	9.0	.8	43
07...	--	.08	--	--	--	--	--	--	--

DATE	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	LOSS ON IGNITION (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
OCT.									
27...	.7	4.1	370	21.0	6.3	20	14	36	50
27...	--	--	--	21.0	8.2	--	--	--	--
JAN.									
12...	1.0	1.0	6600	15.0	8.7	23	60	33	93
12...	--	--	--	15.0	10.0	--	--	--	--
MAR.									
01...	.3	1.0	--	--	8.1	67	36	67	103
01...	--	--	--	18.0	7.0	--	--	--	--
APR.									
19...	1.2	7.0	1700	22.0	8.2	33	19	53	73
19...	--	--	--	20.0	8.2	--	--	--	--
JUNE									
07...	.5	3.3	--	--	8.2	13	18	29	47
07...	--	--	--	23.5	8.5	--	--	--	--

02492502 HOBOLOCHITTO CREEK NEAR PICAYUNE, MISS.

LOCATION.--Lat 30°32'30", long 89°44'22", in sec.28, T.6 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on county highway, 2.0 miles west of Picayune.

DRAINAGE AREA.--

WATER QUALITY DATA, NOVEMBER 1971 TO AUGUST 1972

DATE	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
NOV.									
09...	102	5	25	47	2.5	12	6.4	12	.40
09...	102	--	--	60	--	--	6.2	--	--
JAN.									
13...	--	30	50	27	2.8	23	5.6	4	.84
13...	--	--	--	<50	--	--	5.9	--	--
MAR.									
01...	--	20	35	35	1.3	15	6.0	8	.67
APR.									
20...	--	--	--	--	2.9	14	6.1	10	.73
20...	--	--	--	45	--	--	6.6	--	--
JUNE									
07...	123	5	25	45	1.7	9	6.4	11	.84
07...	--	--	--	50	--	--	6.8	--	--
AUG.									
03...	--	18	20	48	1.8	12	6.6	11	.78

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
NOV.									
09...	--	--	.03	8	6.0	2.0	--	--	--
09...	--	--	--	--	--	--	--	--	--
JAN.									
13...	.001	.03	.05	8	3.0	5.0	.4	.0	3
13...	--	--	--	--	--	--	--	--	--
MAR.									
01...	--	--	.10	8	4.0	4.0	4.8	.4	28
APR.									
20...	--	--	.12	7	4.0	3.0	--	--	--
20...	--	--	--	--	--	--	--	--	--
JUNE									
07...	.002	.08	.03	7	4.0	3.0	12	1.1	53
07...	--	.08	--	--	--	--	--	--	--
AUG.									
03...	.002	.02	.15	9	5.0	4.0	11	.9	44

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	LOSS ON IGNI-TION (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
NOV.									
09...	--	7.6	800	--	7.0	37	12	41	53
09...	--	--	--	19.0	7.7	--	--	--	--
JAN.									
13...	.8	3.3	1900	10.5	7.0	40	28	86	83
13...	--	--	--	10.5	9.3	--	--	--	--
MAR.									
01...	.3	5.6	13200	--	7.1	30	28	58	88
APR.									
20...	--	2.1	3300	--	6.6	30	6	71	77
20...	--	--	--	27.5	7.2	--	--	--	--
JUNE									
07...	.8	5.8	--	--	6.2	30	2	78	80
07...	--	--	--	27.0	6.6	--	--	--	--
AUG.									
03...	.8	6.7	3000	--	6.0	30	20	34	47

OEA

~~MISSISSIPPI RIVER BASIN~~

OHIO RIVER BASIN

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MISS.

LOCATION.--Lat 34°54'02", long 88°17'35", in sec.18, T.2 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road at Moser Bridge, 0.4 mile south of Doskie, Miss.

DRAINAGE AREA.--143 sq mi.

June to Sept 1972

WATER QUALITY DATA, JUNE 1972 TO SEPTEMBER 1972

DATE	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
JUNE										
13...	30	30	--	6.4	10	2.8	.7	1.3	.2	20
SEP.										
06...	--	42	--	6.4	--	--	--	--	--	--
12...	5	--	.8	--	21	5.3	1.8	1.5	.2	15
12...	--	45	--	6.6	--	--	--	--	--	--

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
JUNE										
13...	1.0	1.4	33	20.0	1.8	12	--	12	.0	.05
SEP.										
06...	--	--	--	17.5	--	--	--	18	--	--
12...	1.3	1.2	39	--	4.4	14	1660	20	.1	.10
12...	--	--	--	20.5	--	--	--	--	--	--

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TUR-BID-ITY (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	DIS-SOLVED OXYGEN (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
JUNE										
13...	27	--	--	--	--	--	--	--	--	0
SEP.										
06...	--	--	--	--	--	--	--	--	8.3	--
12...	48	370	.30	.006	.010	.060	30	14	--	5
12...	--	--	--	--	--	--	--	--	7.4	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

MOBILE RIVER BASIN

02435900 CALLOWAY CREEK NEAR PONTOTOC, MISS. (LAT 34°10'39", LONG 88°51'38")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
21...	2.0	19.5	140	7.5	7.2

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MISS. (LAT 31°42'25", LONG 89°24'25")

DATE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
JAN.				
27...	14.5	120	9.2	--
MAR.				
15...	18.0	60	9.4	6.2
APR.				
27...	20.0	80	7.9	6.3

02472500 BOWIE CREEK NEAR HATTIESBURG, MISS. (LAT 31°25'32", LONG 89°24'53")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
15...	140	--	50	9.3	--
MAR.					
15...	--	17.0	<50	9.8	5.9
27...	--	18.0	--	8.6	--
APR.					
27...	--	20.0	--	7.8	6.3

473000 LEAF RIVER AT HATTIESBURG, MISS. (LAT 31°20'33", LONG 89°16'44")

DATE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
MAR.				
27...	16.5	--	9.0	--
APR.				
27...	19.0	70	7.5	6.3

PASCAGOULA RIVER BASIN--Continued

02473480 TALLAHATTAH CREEK NEAR WALDRUP, MISS. (LAT 31°51'40", LONG 89°05'10")

DATE	DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
16...	3.9	--	--	--	--
JAN.					
28...	--	12.0	500	10.0	7.0
MAR.					
15...	--	18.0	420	9.3	6.5

02473500 TALLAHALA CREEK AT LAUREL, MISS. (LAT 31°40'50", LONG 89°06'55")

DATE	DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
16...	286	--	--	--	--
JAN.					
27...	--	14.0	120	8.0	6.4
MAR.					
15...	--	17.0	85	9.2	6.2
APR.					
27...	--	20.0	160	7.5	6.8

02474100 TALLAHOMA CREEK NEAR LAUREL, MISS. (LAT 31°42'50", LONG 89°09'36")

DATE	DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
17...	15	13.0	70	8.8	6.8
JAN.					
27...	--	14.0	80	8.7	6.5
MAR.					
15...	--	18.0	60	8.9	6.3

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PASCAGOULA RIVER BASIN--Continued

02474300 TALLAHALA CREEK NEAR ELLISVILLE, MISS. (LAT 31°35'27", LONG 89°10'00")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
16...	76	14.0	--	--	--
16...	77	14.0	300	6.7	7.4
JAN.					
27...	--	16.0	650	6.0	6.2
MAR.					
15...	--	17.5	90	7.5	6.2
APR.					
27...	--	19.0	150	7.5	7.0

02474670 BOGUE HOMO NEAR NEW AUGUSTA, MISS. (LAT 31°15'42", LONG 89°00'10")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
17...	52	15.0	148	9.6	6.8
MAR.					
16...	--	18.0	120	8.9	6.6
APR.					
26...	--	21.0	240	8.9	6.9

02474820 THOMPSON CREEK NEAR HINTONVILLE, MISS. (LAT 31°15'40", LONG 88°56'08")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
17...	21	19.0	1970	10.0	6.7
MAR.					
16...	--	17.0	690	8.0	5.7
APR.					
28...	--	16.5	450	8.2	6.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PASCAGOULA RIVER BASIN--Continued

02475500 CHUNKY RIVER NEAR CHUNKY, MISS. (LAT 32°19'35", LONG 88°54'35")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (uEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
JAN.					
25...	--	17.0	60	9.2	6.8
MAR.					
13...	420	15.0	60	9.5	7.0
APR.					
25...	--	18.5	70	8.2	6.6
AUG.					
29...	--	28.0	80	7.1	--

02475700 CHUNKY RIVER NEAR ENTERPRISE, MISS. LAT 32°11'30", LONG 88°49'30")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
JAN.					
25...	--	14.5	65	9.2	6.1
MAR.					
13...	1050	15.0	70	9.8	7.1
APR.					
25...	230	20.5	70	9.2	7.2
AUG.					
30...	--	29.0	65	9.2	--

02476000 OKATIBBEE CREEK NEAR MERIDIAN, MISS. LAT 32°21'13", LONG 88°43'23"

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
JAN.					
25...	--	14.0	<50	9.6	6.3
MAR.					
13...	500	15.0	<50	9.7	6.5
APR.					
25...	--	19.0	70	8.1	6.8
AUG.					
29...	--	27.5	70	7.1	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PASCAGOULA RIVER BASIN--Continued

02476500 SOWASHEE CREEK AT MERIDIAN, MISS. (LAT 32°22'10", LONG 88°40'40")

DATE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
JAN. 25...	17.0	60	8.9	6.8
MAR. 13...	16.0	60	10.3	6.8
APR. 25...	17.5	60	8.9	6.9
AUG. 29...	30.0	100	3.2	--

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MISS. (LAT 31°50'50", LONG 88°41'24")

DATE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
JAN. 26...	14.0	120	9.7	6.5
MAR. 13...	16.0	75	9.5	6.9
APR. 25...	21.5	110	8.0	6.5
AUG. 30...	27.5	100	9.5	--

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MISS. (LAT 31°40'20", LONG 88°41'00")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV. 15...	438	14.5	250	10.8	7.4
JAN. 26...	--	15.0	130	8.5	6.7
MAR. 14...	--	15.0	85	9.7	6.7
APR. 25...	--	22.0	115	7.8	6.5
AUG. 30...	--	27.5	160	8.5	--

PASCAGOULA RIVER BASIN--Continued

02477940 BUCKATUNNA CREEK NEAR MATHERVILLE, MISS. (LAT 31°47'52", LONG 88°29'15")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
15...	46	13.0	140	11.2	7.6
JAN.					
26...	--	15.0	60	8.4	5.9
MAR.					
14...	--	15.5	90	9.3	6.7
APR.					
26...	--	17.0	120	8.9	6.4

02478030 BUCKATUNNA CREEK NEAR BUCKATUNNA, MISS. (LAT 31°31'15", LONG 88°30'18")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
16...	98	15.0	90	10.4	7.2
JAN.					
26...	--	15.0	60	8.5	6.1
MAR.					
14...	2350	16.0	--	9.7	6.5
APR.					
26...	--	19.0	120	8.7	6.4

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MISS. (LAT 31°08', LONG 88°33')

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
16...	650	6.0	180	9.2	7.1
JAN.					
14...	16700	14.0	48	7.8	6.0
14...	--	14.0	60	10.2	6.2
26...	--	16.0	80	9.2	6.4
MAR.					
02...	--	--	54	7.9	6.4
02...	--	17.0	80	7.0	5.7
13...	--	15.0	90	9.2	6.7
14...	6500	16.5	90	9.1	6.6
APR.					
11...	--	20.0	128	8.1	6.9
11...	--	20.0	--	9.0	--
26...	--	22.0	150	7.2	6.4
JUNE					
07...	--	31.0	150	6.5	6.9
08...	910	--	165	7.2	7.2

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PASCAGOULA RIVER BASIN--Continued

02479000 PASCAGOULA RIVER AT MERRILL, MISS. (LAT 30°58'40", LONG 88°43'35")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
17...	1850	--	--	9.5	--
FEB.					
10...	35000	--	62	--	6.4
MAR.					
13...	--	15.0	80	8.7	6.5
14...	16500	17.0	80	9.8	6.4
APR.					
26...	--	21.0	100	7.5	6.2
JUNE					
08...	2330	--	100	7.5	6.8
15...	3060	--	90	--	6.1

02479100 BLACK CREEK NEAR PURVIS, MISS. (LAT 31°11'26", LONG 89°22'36")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
17...	55	12.5	--	--	--
MAR.					
15...	--	18.0	<50	8.8	5.7

02479130 BLACK CREEK NEAR BROOKLYN, MISS. (LAT 31°03'06", LONG 89°12'16")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
NOV.					
16...	171	--	50	9.4	--
MAR.					
15...	--	17.0	--	8.4	5.7

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PASCAGOULA RIVER BASIN--Continued

02479191 RED CREEK AT PERKINSTON, MISS. (LAT 30°47'02", LONG 89°08'10")

DATE	DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)
NOV. 17...	90	14.0	105	9.2	6.7
DEC. 22...	35	16.0	70	9.8	6.1

02479300 RED CREEK AT VESTRY, MISS. (LAT 30°44'10", LONG 88°46'50")

DATE	DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)
NOV. 17...	235	16.0	83	9.3	6.9
JAN. 27...	--	15.0	<50	8.9	5.2
MAR. 15...	--	18.5	48	8.4	5.6

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MISS. (LAT 30°35'02", LONG 88°34'15")

DATE	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)
JAN. 26...	17.0	50	9.0	5.8

PASCAGOULA RIVER BASIN--Continued

02479580 ESCATAWPA RIVER NEAR HARLESTON, MISS. (LAT 30°43'40", LONG 88°27'20")

DATE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
JAN.				
26...	17.0	<50	9.5	4.1
APR.				
27...	23.0	350	7.9	6.4

TENNESSEE RIVER BASIN

03592640 TENNESSEE RIVER AT INDIAN CREEK, MISS. (LAT 34°55'51", LONG 88°09'36")

Part 3

DATE	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BICAR-BONATE (HCO3) (MG/L)	TUR-BID-ITY (MG/L)	DIS-SOLVED OXYGEN (MG/L)
SEP.							
06...	5	--	--	--	--	1	--
06...	--	160	7.1	25.5	74	--	8.5

HATCHIE RIVER BASIN

07029250 HATCHIE RIVER NEAR RIPLEY, MISS. (LAT 34°43'15", LONG 88°,46'01")

Part

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
20...	8.4	19.0	43	8.4	6.7

07029415 MUDDY CREEK AT WALNUT, MISS. (LAT 34°57'10", LONG 88°52'40")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
20...	4.4	19.0	120	8.5	7.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

WOLF RIVER BASIN

07030370 WOLF RIVER AT SPRINGHILL, MISS. (LAT 34°56'54", LONG 89°11'32")

DATE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.				
20...	17.0	46	7.0	6.9

YAZOO RIVER BASIN

07265500 LITTLE TALLAHATCHIE RIVER NEAR NEW ALBANY, MISS. (LAT 34°33'21", LONG 88°55'45")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
20...	15	19.0	78	9.9	7.1

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MISS. (LAT 34°29'00", LONG 89°13'30")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
21...	37	--	216	9.8	7.4
21...	37	22.5	200	9.8	7.2
JUNE					
14...	85	27.0	200	--	7.2

07268500 CYPRESS CREEK NEAR ETTA, MISS. (LAT 34°26'30", LONG 89°17'25")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
22...	4.9	18.5	60	9.0	7.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

YAZOO RIVER BASIN--Continued

07269800 TIPPAH RIVER NEAR ASHLAND, MISS. (LAT 34°44'37", LONG 89°10'30")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
21...	26	21.0	85	9.2	7.0

07269970 CHEWALLA CREEK NEAR POTTS CAMP, MISS. (LAT 34°40'21", LONG 89°19'52")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
21...	56	21.0	34	8.5	6.8

07270520 BIG SPRING CREEK NEAR HOLLY SPRINGS, MISS. (LAT 34°42'40", LONG 89°23'35")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
21...	6.0	19.5	40	7.3	6.7

07270600 LITTLE SPRING CREEK AT MALONE, MISS. (LAT 34°34'32", LONG 89°28'30")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
19...	39	20.5	44	8.6	6.6

07270800 HURRICANE CREEK NEAR OXFORD, MISS. (LAT 34°25'46", LONG 89°30'42")

DATE	DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)
OCT.					
22...	12	18.5	34	8.2	6.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
MOBILE RIVER BASIN												
02429930 - BIG BROWN C. NR. MARIETTA, MISS. (LAT 34 29 27 LONG 088 26 13)												
JUNE, 1972												
12...	--	15	106	7.0	33	40	12	2.4	3.5	.2	15	1.7
02430665 - TWENTYMILE C. NR. BALDWYN, MISS. (LAT 34 30 34 LONG 088 36 30)												
JUNE, 1972												
06...	--	5	286	7.2	108	13	48	2.5	4.5	.2	7	1.8
02432500 - HULL MTN. C. AT TREMONT, MISS. (LAT 34 14 21 LONG 088 16 14)												
JUNE, 1972												
12...	--	--	35	6.0	6	9	2.6	.6	1.4	.2	21	1.9
02433000 - HULL MTN. C. NR. SMITHVILLE, MS. (LAT 34 05 18 LONG 088 23 26)												
JUNE, 1972												
12...	200	15	26	6.3	7	8	2.1	.7	1.2	.2	22	.8
02440000 - CHUQUATONCHEE C. NR. EGYPT, MS. (LAT 33 50 30 LONG 088 58 30)												
JUNE, 1972												
12...	.10	5	289	7.6	126	140	54	1.4	3.9	.1	6	1.2
02440200 - HOULKA CREEK NEAR HOUSTON, MISS. (LAT 33 56 25 LONG 089 00 04)												
JUNE, 1972												
06...	3.7	5	213	7.5	90	95	35	1.8	5.2	.2	10	1.5
PEARL RIVER BASIN												
02483700 - YOCKANOOKANY R. AT WEIR MISS (LAT 33 16 17 LONG 089 17 16)												
OCT., 1971												
15...	.05	25	66	6.0	13	15	3.7	1.4	4.0	.4	33	2.4
15...	5.3	--	50	6.7	--	--	--	--	--	--	--	--
TENNESSEE RIVER BASIN												
03592101 - BEAR CREEK AT MINGO, MISS. (LAT 34 30 09 LONG 087 09 20)												
JUNE, 1972												
13...	--	5	44	6.6	13	16	5.0	.9	1.5	.2	16	.5
HATCHIE RIVER BASIN												
07029277 - HINKLE CREEK AT RIENZI, MISS. (LAT 34 46 28 LONG 088 33 37)												
JUNE, 1972												
13...	.05	10	157	6.9	57	62	23	1.1	5.5	.3	16	1.2
07029300 - TUSCUMBIA R. NR. CORINTH, MISS. (LAT 34 55 52 LONG 088 33 49)												
JUNE, 1972												
13...	26	10	196	7.2	43	46	16	1.5	19	1.2	45	2.8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
MOBILE RIVER BASIN											
02429930 - BIG BROWN C. NR. MARIETTA, MISS. (LAT 34 29 27 LONG 088 26 13)											
JUNE, 1972											
12...	8.0	70	--	.10	26.0	5.6	12	40	.1	.02	66
02430665 - TWENTYMILE C. NR. BALDWYN, MISS. (LAT 34 30 34 LONG 088 36 38)											
JUNE, 1972											
06...	19	167	--	.23	--	7.7	4.1	132	.3	.11	153
02432500 - BULL MTN. C. AT TREMONT, MISS. (LAT 34 14 21 LONG 088 16 14)											
JUNE, 1972											
12...	2.0	32	--	.04	20.0	2.6	6.7	7	.0	.23	23
02433000 - BULL MTN. C. NR. SMITHVILLE, MS. (LAT 34 05 10 LONG 088 23 26)											
JUNE, 1972											
12...	.2	25	13.5	.03	21.0	2.0	10	9	.0	.11	22
02440000 - CHUQUATONCHEE C. NR. EGYPT, MS. (LAT 33 50 30 LONG 088 50 30)											
JUNE, 1972											
12...	11	165	.06	.22	24.5	4.3	6.7	156	.1	.00	159
02440200 - HOULKA CREEK NEAR HOUSTON, MISS. (LAT 33 56 25 LONG 089 00 06)											
JUNE, 1972											
06...	8.2	130	1.31	.18	--	4.6	7.1	110	.1	.09	128
PEARL RIVER BASIN											
02483700 - YOCKANOOKANY R. AT WEIR MISS (LAT 33 16 17 LONG 089 17 16)											
OCT., 1971											
15...	9.6	61	.01	.08	21.0	4.2	14	16	.0	--	47
15...	--	--	--	--	21.0	--	--	--	--	--	--
TENNESSEE RIVER BASIN											
03592101 - BEAR CREEK AT MINGO, MISS. (LAT 34 38 00 LONG 087 09 20)											
JUNE, 1972											
13...	3.2	26	--	.04	--	2.1	3.8	16	.0	.09	25
HATCHIE RIVER BASIN											
07029277 - HINKLE CREEK AT RIENZI, MISS. (LAT 34 46 26 LONG 088 33 37)											
JUNE, 1972											
13...	11	96	.01	.13	22.0	6.0	8.6	69	.1	.02	90
07029300 - TUSCUMBIA R. NR. CORINTH, MISS. (LAT 34 55 53 LONG 088 35 49)											
JUNE, 1972											
13...	8.8	120	8.72	.16	23.0	27	10	53	.1	.02	111

Part 7

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
YAZOO RIVER BASIN												
07268000 - L. TALLAHATCHIE R. AT ETTA, MISS. (LAT 34 29 08 LONG 089 13 30)												
OCT., 1971												
21...	37	5	216	7.4	73	78	27	2.6	10	.5	21	2.9
21...	37	--	208	7.2	--	--	--	--	--	--	--	--
JUNE, 1972												
14...	85	5	200	7.2	63	74	24	3.4	10	.5	22	1.7
07269990 - TIPPAH R. NR. POTTS CAMP, MISS. (LAT 34 35 51 LONG 089 21 01)												
OCT., 1971												
21...	146	--	48	6.8	--	--	--	--	--	--	--	--
JUNE, 1972												
14...	130	5	57	6.7	21	20	5.6	1.5	2.9	.3	23	1.1
07274000 - YOCONA RIVER NEAR OXFORD, MISS. (LAT 34 16 23 LONG 089 31 11)												
OCT., 1971												
22...	291	15	186	6.6	38	23	5.6	2.2	10	.9	45	2.7
22...	25	--	180	6.7	--	--	--	--	--	--	--	--
JUNE, 1972												
14...	19	10	110	6.7	34	28	7.8	2.6	10	.8	42	1.5
07274250 - OTUCKALOFA C. AT WATER VALLEY, MS. (LAT 35 08 15 LONG 089 38 18)												
OCT., 1971												
14...	12	50	42	6.2	14	10	2.5	.9	3.9	.5	44	.5
14...	12	--	40	6.6	--	--	--	--	--	--	--	--
JUNE, 1972												
14...	--	5	55	6.6	18	16	3.3	1.9	3.4	.4	32	1.0
07274300 - YOCONA R. NR WATER VALLEY, MISS. (LAT 34 10 20 LONG 089 43 17)												
JUNE, 1972												
14...	--	5	72	6.5	23	22	4.8	2.4	5.2	.5	32	1.4
07275000 - YOCONA R. AT ENID DAM NR. ENID, MS. (LAT 34 09 29 LONG 089 54 14)												
JUNE, 1972												
14...	--	20	52	6.5	15	20	4.2	2.3	2.6	.3	20	2.3
07275900 - COLDWATER R. NR. OLIVE BRANCH, MS. (LAT 34 54 19 LONG 089 45 13)												
JUNE, 1972												
14...	41	15	37	6.3	16	19	2.8	.7	2.7	.4	35	1.0

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
YAZOO RIVER BASIN											
07268000 - L. TALLAHATCHIE R. AT ETTA, MISS. (LAT 34 29 00 LONG 089 13 30)											
OCT., 1971											
21...	13	123	12.3	.17	--	14	9.5	89	.3	--	123
21...	--	--	--	--	22.5	--	--	--	--	--	--
JUNE, 1972											
14...	15	122	28.0	.17	27.0	12	7.4	77	.2	.00	112
07269990 - TIPPAH R. NR. POTTS CAMP, MISS. (LAT 34 35 51 LONG 089 21 01)											
OCT., 1971											
21...	--	--	--	--	23.0	--	--	--	--	--	--
JUNE, 1972											
14...	1.2	42	14.7	.06	29.0	2.6	11	26	.1	.00	39
07274000 - YOCONA RIVER NEAR OXFORD, MISS. (LAT 34 16 23 LONG 089 31 11)											
OCT., 1971											
22...	6.7	67	52.6	.09	20.5	7.6	14	36	.2	.47	69
22...	--	--	--	--	20.5	--	--	--	--	--	--
JUNE, 1972											
14...	5.4	72	3.69	.10	23.0	8.0	13	42	.1	.02	69
07274250 - OTUCKALOFA C. AT WATER VALLEY, MS. (LAT 33 08 15 LONG 089 38 18)											
OCT., 1971											
14...	2.1	37	1.23	.05	--	3.2	13	17	.0	--	34
14...	--	--	--	--	14.0	--	--	--	--	--	--
JUNE, 1972											
14...	.6	48	--	.07	--	4.6	11	22	.0	.00	37
07274300 - YOCONA R. NR WATER VALLEY, MISS. (LAT 34 10 20 LONG 089 43 17)											
JUNE, 1972											
14...	3.4	59	--	.08	--	5.9	10	28	.0	.00	47
07275000 - YOCONA R. AT ENID DAM NR. ENID, MS. (LAT 34 09 29 LONG 089 54 14)											
JUNE, 1972											
14...	6.8	62	--	.08	--	3.8	2.2	18	.1	.14	34
07275900 - COLDWATER R. NR. OLIVE BRANCH, MS. (LAT 34 54 19 LONG 089 45 13)											
JUNE, 1972											
14...	.2	48	5.40	.07	23.0	1.4	12	19	.0	.00	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, OCTOBER 1971 to JUNE 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
07282000 - YALOBUSHA R. AT CALHOUN CITY, MS. (LAT 33 50 20 LONG 089 18 55)												
JUNE, 1972												
06...	.53	5	439	6.7	21	77	17	8.4	54	2.7	59	3.3
07282100 - TOPASHAW CA. NR. CALHOUN CITY MS (LAT 33 48 52 LONG 089 20 46)												
JUNE, 1972												
06...	2.0	5	300	6.8	16	57	12	6.6	35	2.0	56	2.2
07282500 - YALOBUSHA R. AT GRAYSPORT, MISS. (LAT 33 48 58 LONG 089 36 54)												
JUNE, 1972												
16...	--	45	69	6.5	15	20	4.8	1.9	6.0	.6	38	1.0
07283000 - SKUNA RIVER AT BRUCE, MISS. (LAT 33 58 25 LONG 089 20 50)												
JUNE, 1972												
07...	60	5	237	7.0	26	55	12	6.1	23	1.3	46	2.4
07283488 - SKUNA R. NR. COFFFEVILLE, MISS. (LAT 33 54 35 LONG 089 38 30)												
JUNE, 1972												
16...	--	40	73	6.7	15	19	4.8	1.7	5.0	.5	33	2.2
07283800 - TURKEY C. AT COFFEEVILLE, MISS. (LAT 33 58 04 LONG 089 39 51)												
JUNE, 1972												
07...	11	10	43	6.3	14	12	2.9	1.2	3.9	.5	38	1.1
07283960 - TURKEY C. NR. COFFEEVILLE, MISS. (LAT 33 57 11 LONG 089 40 54)												
JUNE, 1972												
16...	--	40	69	6.8	14	18	4.6	1.6	5.0	.5	34	2.2
07285400 - BATUPAN RIVER AT GRENADA, MISS. (LAT 33 46 26 LONG 089 47 15)												
JUNE, 1972												
07...	41	10	122	6.6	32	33	7.9	3.2	10	.8	38	1.9
16...	--	30	98	6.3	17	21	5.5	1.8	9.0	.9	45	2.1
07285500 - YALOBUSHA R. AT GRENADA, MISS. (LAT 33 47 20 LONG 089 48 37)												
JUNE, 1972												
07...	--	40	83	6.4	16	21	5.4	1.8	6.1	.6	35	2.7

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
YAZOO RIVER BASIN											
07282000 - YALOBUSHA R. AT CALHOUN CITY, MS. (LAT 33 50 20 LONG 089 18 55)											
JUNE, 1972											
06...	92	262	.37	.36	35.0	59	11	25	.1	.09	257
07282100 - TOPASHAW CA. NR. CALHOUN CITY MS (LAT 33 48 52 LONG 089 20 46)											
JUNE, 1972											
06...	64	193	1.04	.26	34.0	35	18	20	.1	.09	183
07282500 - YALOBUSHA R. AT GRAYSPORT, MISS. (LAT 33 48 58 LONG 089 36 54)											
JUNE, 1972											
16...	10	62	--	.08	--	5.0	2.9	18	.1	.09	41
07283000 - SKUNA RIVER AT BRUCE, MISS. (LAT 33 58 25 LONG 089 20 50)											
JUNE, 1972											
07...	45	158	25.6	.21	30.0	23	18	32	.1	.09	146
07283488 - SKUNA R. NR. COFFEEVILLE, MISS. (LAT 33 54 35 LONG 089 38 30)											
JUNE, 1972											
16...	12	62	--	.08	--	5.5	3.7	18	.1	.00	44
07283800 - TURKEY C. AT COFFEEVILLE, MISS. (LAT 33 58 04 LONG 089 39 51)											
JUNE, 1972											
07...	.8	43	1.28	.06	21.0	2.4	14	17	.0	.45	34
07283960 - TURKEY C. NR. COFFEEVILLE, MISS. (LAT 33 57 11 LONG 089 40 54)											
JUNE, 1972											
16...	12	62	--	.08	--	5.0	2.8	17	.1	.00	41
07285400 - BATUPAN RIVER AT GRENADA, MISS. (LAT 33 46 26 LONG 089 47 15)											
JUNE, 1972											
07...	14	96	10.8	.13	24.5	6.1	21	39	.1	.14	84
16...	13	79	--	.11	--	7.0	14	21	.2	.32	64
07285500 - YALOBUSHA R. AT GRENADA, MISS. (LAT 33 47 20 LONG 089 48 37)											
JUNE, 1972											
07...	11	69	--	.09	23.0	5.1	6.5	20	.0	.23	50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
BIG BLACK RIVER BASIN												
07289140 - CALABRELLA C. NR TOMNOLEN MISS (LAT 33 28 13 LONG 089 23 13)												
OCT., 1971												
13...	3.8	15	40	6.2	11	9	2.0	1.0	4.0	.6	47	.5
13...	3.8	--	42	6.5	--	--	--	--	--	--	--	--
07289170 - MULBERRY C. AT KILMICHEAL, MISS (LAT 33 26 17 LONG 089 32 46)												
OCT., 1971												
13...	--	40	84	6.4	18	16	3.5	1.8	7.5	.8	43	4.5
13...	--	--	85	6.4	--	--	--	--	--	--	--	--
07289220 - BIG BLACK R. NR. KILMICHEAL, MS. (LAT 33 25 30 LONG 089 34 30)												
JUNE, 1972												
05...	23	20	66	6.6	18	17	4.0	1.7	6.6	.7	44	1.2
07289240 - BIG BLACK R. NR. WINONA,(HWY407)MISS (LAT 33 22 58 LONG 089 36 52)												
OCT., 1971												
13...	34	20	100	6.1	18	20	5.3	1.7	9.5	.9	47	2.5
13...	34	--	90	6.4	--	--	--	--	--	--	--	--
07289263 - HAYS C AT WINONA MISS (LAT 35 28 15 LONG 089 43 29)												
OCT., 1971												
13...	--	--	135	6.7	--	--	--	--	--	--	--	--

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TEMPER-ATURE (DEG C)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
BIG BLACK RIVER BASIN											
07289140 - CALABRELLA C. NR TOMNOLEN MISS (LAT 33 28 13 LONG 089 23 13)											
OCT., 1971											
13...	2.6	40	.41	.05	--	3.9	15	14	.0	--	36
13...	--	--	--	--	17.0	--	--	--	--	--	--
07289170 - MULBERRY C. AT KILMICHEAL, MISS (LAT 33 26 17 LONG 089 32 46)											
OCT., 1971											
13...	8.6	67	--	.09	--	7.2	13	22	.1	--	58
13...	--	--	--	--	19.0	--	--	--	--	--	--
07289220 - BIG BLACK R. NR. KILMICHEAL, MS. (LAT 33 25 30 LONG 089 34 30)											
JUNE, 1972											
05...	4.8	53	3.32	.07	20.5	5.4	14	22	.0	.27	50
07289240 - BIG BLACK R. NR. WINONA,(HWY407)MISS (LAT 33 22 58 LONG 089 36 52)											
OCT., 1971											
13...	16	74	6.91	.10	--	8.3	13	22	.0	--	68
13...	--	--	--	--	17.0	--	--	--	--	--	--
07289263 - HAYS C AT WINONA MISS (LAT 33 28 15 LONG 089 43 29)											
OCT., 1971											
13...	--	--	--	--	16.5	--	--	--	--	--	--

Page
Aberdeen, Buttahatchee River near.......................... 32
Aberdeen, Tombigbee River at.......................... 31
Accuracy of data.......................... 12
Acre-foot, definition of.......................... 3
Amite River near Darlington, La.......................... 112
Amory, Tombigbee River near.......................... 30
Arkabutla, Coldwater River at Arkabutla Dam near.......... 93
Arkabutla Lake near Arkabutla.......................... 92
Arundel, Okatibbee Creek at.......................... 55
Askalmore Creek at Retention Dam near Cascilla.......... 100
Atkinson Creek near McLain.......................... 113

Baking Powder Draw near Prentiss.......................... 122
Barretts Branch near Pinola.......................... 122
Batupan River at Grenada..........................115,194-195
Bayou Pierre basin, crest-stage partial-record
    stations in.......................... 126
  gaging-station records in.......................... 108
Bayou Pierre near Willows.......................... 108
Bear Creek at Bishop, Ala.......................... 80
  at Mingo..........................79,190-191
Beaverdam Creek near Janice.......................... 131
Beaver Run near McCall Creek.......................... 126
Bigbee, Tombigbee River at.......................... 27
Big Black River at West..........................105-106
  near Bovina..........................21,107
  near Canton.......................... 135
  near Eupora.......................... 115
  near Kilmichael..........................115,196-197
  near Port Gibson.......................... 135
  near Way.......................... 135
  near Winona..........................115,196-197
Big Black River basin, crest-stage partial-record
    stations in..........................125-126
  discharge measurements at miscellaneous sites in...... 135
  gaging-station records in..........................105-107
  low-flow partial-record stations in.......................... 115
  water-quality records in..........................196-197
Big Black River tributary near Eupora.......................... 125
Big Brown Creek near Booneville.......................... 116
  near Marietta..........................128,190-191
  near New Site.......................... 128
Big Creek near Crossroads.......................... 114
  near Brooklyn..........................114,186
  near Buckatunna.......................... 114
  near Hillman.......................... 114
Big Creek tributary near Laurel.......................... 118
Big Sand Creek tributary near North Carrollton.......... 124
Big Spring Creek near Holly Springs..........................114,188
Biloxi River basin, crest-stage partial-record
    stations in.......................... 120
  discharge measurements at miscellaneous sites in...... 132
  gaging station records in.......................... 65
Biloxi River at Wortham.......................... 65
  near Lyman..........................120,132
  near Saucier.......................... 132
Biochemical oxygen demand, definition of.......................... 3
Black Creek near Benndale..........................132,169
  near Brooklyn..........................50,184
  near Clyde.......................... 131
  near Coral.......................... 131
  near Melba.......................... 131
  near Purvis..........................131,184
  near Wiggins.......................... 62
Blown Pine Creek near Hattiesburg.......................... 119
Bluff Creek tributary near Whites Crossing.......................... 120
Boggans ditch near Mendenhall.......................... 122
Boggy Hollow near Lumberton.......................... 131
Bogue Chitto at Holmesville.......................... 133
  near Brookhaven.......................... 133
  near Johnston Station.......................... 133
  near Lehr.......................... 175
  near Pricedale.......................... 123
  near Summit.......................... 133
  near Tylertown..........................77,134
Bogue Fallah Creek tributary near Ackerman.......................... 118
Bogue Homo at Ovett.......................... 130
  near Laurel..........................113,160
  near New Augusta.......................... 180
  near Richton.......................... 50
  near Sandersville.......................... 129
  near Tuckers Crossing.......................... 129
Bovina, Big Black River near..........................21,107
Bowie Creek at Hattiesburg.......................... 129
  near Hattiesburg..........................46,178
  near Sanford.......................... 118
Bradleys ditch near Pinola.......................... 122

Page
Broad Lake tributary No. 1 near Yazoo City.......................... 125
Broad Lake tributary No. 2 near Yazoo City.......................... 125
Brooklyn, Black Creek at.......................... 60
Bruce, Skuna River at.......................... 97
Brushy Creek tributary near Oxberry.......................... 124
Buck Creek near Runnelstown.......................... 119
Buckatunna Creek near Buckatunna..........................113,183
  near Denham.......................... 57
  near Mannassa.......................... 131
  near Matherville..........................131,183
Buffalo River basin, gaging-station records in.......... 111
Buffalo River near Woodville.......................... 111
Bull Mountain Creek at Tremont..........................190-191
Buttahatchee River near Aberdeen.......................... 32

Calabrella Creek near Tomnolen..........................115,196-197
Calhoun City, Yalobusha River at.......................... 96
Calloway Creek near Pontotoc..........................113,178
Cane Creek near New Albany.......................... 84
Caney Creek near Coffeeville.......................... 124
Carthage, Pearl River near.......................... 69
Cascilla, Askalmore at Retention Dam near.......................... 100
Catalpa Creek at Mayhew.......................... 117
Cedar Creek near Brooksville.......................... 118
Cfs-day, definition of.......................... 3
Chambers Creek at Kendrick.......................... 134
Chemical oxygen demand, definition of.......................... 3
Chewalla Creek near Potts Camp..........................114,188
Chickasawhay River at De Soto.......................... 130
  at Enterprise..........................56,162
  at Leakesville..........................58,183
  at Quitman.......................... 130
  at Shubuta..........................113,182
  near Buckatunna.......................... 130
  near Lucedale.......................... 131
  near Quitman.......................... 130
  near Waynesboro.......................... 182
Chiwapa Creek at Shannon.......................... 117
Chuquatonchee Creek near Egypt..........................34-35,190-191
  near Okalona..........................33,117
  near West Point.......................... 36
Chuquatonchee Creek tributary near Trebloc.......................... 117
Chunky Creek near Center Ridge.......................... 130
Chunky River near Chunky..........................52,181
  near Enterprise..........................130,181
Clarks Creek near Pattison.......................... 126
Clear Branch near Tupelo.......................... 116
Clear Branch near Bovina.......................... 126
Clear Creek near Oxford.......................... 86
Clear Creek near Ripley.......................... 134
Clear Creek tributary near Pelahatchie.......................... 121
Coldwater River at Arkabutla Dam, near Arkabutla.......... 93
  at Olive Branch..........................192-193
  near Olive Branch.......................... 134
Coles Creek near Fayette.......................... 126
Coliform organisms, definition of.......................... 3
Collection and computation of surface water data.......... 8
Collection and examination of water quality data.......... 14
Collins, Leaf River near.......................... 45
Columbus, Tombigbee River at.......................... 38
Contents, definition of.......................... 3
Control, definition of.......................... 3
Coonshuck Creek tributary near House.......................... 120
Coonewar Creek at Shannon.......................... 116
Cooperation, record of.......................... 2
Copiah Creek near Hazlehurst.......................... 122
Cotton Gin Branch near Tupelo.......................... 116
Cowbell Creek near Houlka.......................... 117
Cow Pike Pass near Tupelo.......................... 116
Cracker ditch near Pontotoc.......................... 123
Cripple Deer Creek near Tishomingo.......................... 134
CRS Draw near Liberty.......................... 127
Cubic feet per second per square mile, definition of..... 3
Cubic feet per second, definition of.......................... 3
Cypress Creek near Etta..........................114,124,187
Cypress Creek near Janice..........................61,167-168
Cypress Creek tributary at Bradley.......................... 118
Data, other available.......................... 14
Dennis, Mackeys Creek near.......................... 24
Discharge comparison at representative gaging stations,
    graph showing.......................... 21
Discharge, definition of.......................... 4
Discharge, records collected by other agencies.......... 14
Donivan Creek near Kirkville.......................... 128
Downing Branch near French Camp.......................... 125
Drainage area, definition of.......................... 4
Dry Draw near Brookhaven.......................... 126

Preceding page blank

Page
Durden Creek at Coffeeville.............................. 135

East Fork Amite River near Peoria........................ 135
Eddiceton, Homochitto River at........................... 109
Edinburg, Pearl River at................................. 68
Egypt, Chuquatonchee Creek near..........................34-35
Elmers Draw near Columbia................................ 123
Enid Lake near Enid...................................... 90
Enid, Yocona River at Enid Dam near...................... 91
Enterprise, Chickasawhay River at........................ 56
Escatawpa River at Moss Point............................ 170
  near Agricola.. 132
  near Harleston...120,186
  near Hurley..120,132
  near Orange Grove...................................... 145
  near Wilmer, Ala....................................... 64
Etta, Little Tallahatchie River at....................... 85
Eubanks Creek at Jackson................................. 121
Euclautubba Creek at Saltillo............................ 116

Fair River near Monticello............................... 133
Fannegusha Creek near Tchula............................. 125
Flat Scooba Creek tributary near Scooba.................. 118
Flint Creek near Wiggins................................. 132
Franklin Creek near Grand Bay, Ala....................... 120
Fulton, Tombigbee River near............................. 25

Gage height, definition of............................... 4
Gaging station, definition of............................ 4
Goines Draw near Prentiss................................ 123
Gordon Creek at Broad Street at Hattiesburg.............. 119
Granny Branch at Piave................................... 119
Greenwood, Yazoo River at................................ 101
Grenada Lake near Grenada................................ 98
Grenada, Yalobusha River at Grenada Dam near............. 99

Hamilton Branch near DeKalb.............................. 118
Hanging Moss Creek at Jackson............................ 121
Hardness, definition of.................................. 4
Hatchie River near Ripley................................ 114
Hatchie River basin, crest-stage partial-record
    stations in.. 123
  discharge measurements at miscellaneous sites in....... 134
  low-flow partial record stations in.................... 114
  water-quality records in...............................186,190-191
Hattiesburg, Bowie Creek near............................ 46
  Leaf River at.. 47
Hayes Creek at Winona....................................135,196-197
Hell Creek near New Albany............................... 123
Hinkle Creek at Rienzi...................................134,190-191
Hobolochitto Creek near Picayune......................... 176
Hollybush Creek tributary No. 1 near Pisgah.............. 121
Hollybush Creek tributary No. 2 near Pisgah.............. 121
Homochitto River at Eddiceton............................ 109
  at Rosetta... 110
Homochitto River basin, crest-stage partial-record
    stations in.. 126
  gaging-station records in..............................109-110
Houlka Creek near Houston................................128,190-191
  near McCondy... 117
Hurricane Creek near Whynot.............................. 131
Hurricane Creek near Oxford..............................114,189
Hydrologic bench-mark station, definition of............. 6
Hydrologic conditions.................................... 17

Indian Branch near Edinburg.............................. 120
International Hydrological Decade River Stations,
    definition of.. 6
Introduction... 1

Jackson, Pearl River at.................................. 73
James Creek at Aberdeen.................................. 117
James Wolf Creek tributary near Looxahoma................ 124
Janice, Cypress Creek near............................... 61
Jones Creek tributary near New Albany.................... 123

Kokomo Draw at Kokomo.................................... 123
Kosciusko, Yockanookany River near....................... 71

Lambert, Tallahatchie River near......................... 94
Landon, Wolf River near..................................66-67
Laurel, Tallahala Creek at............................... 48
Lawson Branch near Betheden.............................. 118
Leaf River at Hattiesburg................................47,178
  at Taylorsville.. 118
  near Collins...45,178
  near Ellisville.. 129
  near McLain.. 51

Page
Leaf River near Palmer...................................129,156-158
  near Raleigh... 118
  near Wingate... 130
Leakesville, Chickasawhay River at....................... 58
Line Creek near Maben.................................... 117
Little Beaver Creek near Purvis.......................... 131
Little Black Creek near Lumberton........................ 114
  near Purvis.. 131
Little Brown Creek near Burton........................... 128
Little Creek near Fayette................................ 126
Little Okatuppa Creek near Quitman....................... 118
Little Rock Creek tributary near Little Rock............. 119
Little Spring Creek at Malone............................114,188
Little Tallahatchie River at Etta........................85,187,192-193
  at Sardis Dam near Sardis.............................. 88
  near New Albany..134,187
Lobutcha Creek tributary at Wamba........................ 121
Long Creek near Cascilla................................. 124
Long Creek near Courtland................................ 124
Luxapallila Creek at Steens.............................. 39
Lynch Creek at Jackson................................... 122

McCall Creek near Lucien................................. 126
McLain, Leaf River near.................................. 51
Mackeys Creek near Dennis................................24,148
  near Paden... 128
Macon, Noxubee River at.................................. 42
Mantachie Creek at Dorsey................................ 113
Map showing location of gaging and water-quality
    sampling stations.................................... 19
Map showing location of partial-record stations.......... 20
Martin Lake tributary at Sidon........................... 125
Matubby Creek near Aberdeen.............................. 117
May Creek near Newport................................... 135
Mayo Slough tributary near Columbus...................... 118
Mays Creek at Biggersville............................... 134
Measurements at miscellaneous sites:
  Biloxi River basin..................................... 132
  Big Black River basin.................................. 135
  Hatchie River basin.................................... 134
  Mississippi River Delta................................ 135
  Mobile River basin..................................... 128
  Pascagoula River basin.................................129-132,145
  Pearl River basin......................................133-134
  Tchoutacabouffa River basin............................ 132
  Tennessee River basin.................................. 134
  Tennessee-Tombigbee Study Area.........................136-144
  Wolf River basin....................................... 133
  Yazoo River basin......................................134-135
Meridian, Okatibbee Creek near........................... 53
  Sowashee Creek at...................................... 54
Merrill, Pascagoula River at............................. 59
Micrograms per liter, definition of...................... 4
Middle Fork Hickory Flat near Tylertown.................. 123
Mill Creek tributary near Lizana......................... 120
Milligrams per liter, definition of...................... 4
Mingo, Bear Creek at..................................... 79
Mississippi River at Memphis, Tenn.......................81-83
  at Vicksburg...103-104
Mississippi River Delta, crest-stage partial-record
    stations in.. 127
  discharge measurements at miscellaneous sites in....... 135
Mississippi River Main Stem, gaging-station
    records in...81-83,103-104
Mobile River basin, crest-stage partial-record
    stations in..116-118
  discharge measurements at miscellaneous sites in....... 128
  gaging-station records in..............................24-44
  low-flow partial-record stations in.................... 113
  water quality records in...............................148-155,178,190-191
Monticello, Pearl River near............................. 74
Moores Branch near Woodville............................. 127
Mosquito Branch at Benndale.............................. 120
Mosquito Lake tributary No. 1 at Itta Bena............... 125
Mosquito Lake tributary No. 2 at Itta Bena............... 125
Muddy Creek at Walnut....................................114,186
Mulberry Creek at Kilmichael.............................196-197

Neely Creek near Brandon................................. 121
Nettleton, Town Creek near............................... 29
Networks and Programs, special........................... 6
New Albany, Cane Creek near.............................. 84
Newhebron Gulley at Newhebron............................ 123
Nichols Creek tributary near Quincy...................... 117
North Tippah Creek near Ripley........................... 124
Noxubee River at Macon................................... 42
  near Brooksville....................................... 118
  near Geiger, Ala.......................................43-44

Page

- Oakohay Creek at Mize.... 118
  - near Raleigh.... 113
- Oak Vale, Whitesand Creek near.... 75
- Observers Draw near Doloroso.... 126
- Ofahoma, Yockanookany River near.... 72
- Okahatta Creek near Chunky.... 130
- Okatibbee Creek at Arundel....55,161
  - near Meridian....53,181
- Okatoma Creek at Saratoga.... 129
  - at Seminary.... 129
  - near Collins.... 129
  - near Magee.... 129
  - near Mt. Olive.... 129
- Okatoma Creek tributary at Mt. Olive.... 119
- Okatoma Creek tributary No. 2 near Collins.... 119
- Order, downstream listing gaging stations.... 7
- Otuckalofa Creek at Water Valley....124,192-193
- Oxford, Clear Creek near.... 86
  - Yocona River near.... 89

- Paden, Pollard Mill Branch near.... 116
- Palusha Creek tributary near Carrollton.... 124
- Panther Creek near Flora.... 126
- Panther Creek tributary near Flora.... 126
- Partial-record station, definition of.... 4
- Pascagoula River at Cumbest Bluff.... 185
  - at Graham Ferry.... 132
  - at Merrill....59,163-165,184
  - at Pascagoula.... 145
  - near Benndale.... 166
  - near Vancleave.... 145
  - near Wade.... 145
- Pascagoula River basin, crest-stage partial-record stations in....118-120
  - discharge measurements at miscellaneous sites in....129-132
  - gaging-station records in....45-64
  - low-flow partial-record stations in....113-114
  - water quality records in....156-170,178-186
- Pearl River above Byram.... 133
  - at Edinburg.... 68
  - at Jackson.... 73
  - near Bogalusa, La.... 76
  - near Carthage....69,171
  - near Columbia....133,174
  - near Gatesville.... 133
  - near Georgetown....133,172
  - near Monticello....74,173
  - near Rosella.... 133
  - near Terry.... 133
- Pearl River basin, crest-stage partial-record stations in....120-123
  - discharge measurements at miscellaneous sites in....133-134
  - gaging-station records in....68-77
  - water quality records in....171-176
- Persimmon Creek near Bruce.... 114
- Pesticide program definition of.... 6
- Pigeonroost Creek near Byhalia.... 134
- Plum ditch near Prentiss.... 123
- Pollard Mill Branch near Paden.... 116
  - near Tamola.... 128
- Pool Branch near Ripley.... 123
- Potterchitto Creek near Chunky.... 130
- Powers Creek near Rose Hill.... 119
- Purple Creek at Jackson.... 121

- Quiver River tributary near Schlater.... 125

- Radiochemical program, definition of.... 7
- Red Creek at Perkinston....132,185
  - at Vestry....63,185
  - near Perkinston.... 132
- Red Creek tributary near Wiggins.... 120
- Red Boot Creek near Fulton.... 116
- Red Cane Creek tributary near Pisgah.... 121
- Richland Creek tributary near Brandon.... 122
- Richton, Bogue Homo near.... 50
- Roadside Park ditch near Monticello.... 122
- Roby Creek near Newport.... 135
- Rosetta, Homochitto River at.... 110
- Runnelstown, Tallahala Creek near.... 49
- Runoff in inches, definition of.... 5

- Sabougla Creek tributary at Sabougla.... 124
- St. Catherine Creek basin, crest-stage partial-record stations in.... 126
- Sand Creek tributary near Mayhew.... 117
- Saratoga, Okatoma Creek at.... 129
- Sardis Lake near Sardis.... 87

Page

- Sardis, Little Tallahatchie River at Sardis Dam, near.... 88
- Selected references.... 18
- Sevenmile Creek at Kendrick.... 134
- Sharkey Creek tributary near West.... 125
- Shell Creek near Tupelo.... 116
- Short Creek tributary near Yazoo City.... 125
- Shubuta Creek near Shubuta.... 119
- Silver Creek at Newhebron.... 133
- Skuna River at Bruce....97,194-195
  - near Coffeeville....194-195
- Small Pine ditch near Monticello.... 122
- Smithville, Bull Mountain Creek near.... 26
- Sodium adsorption ration, definition of.... 5
- Solute, definition of.... 5
  - explanation of methods of collection.... 16
- Souinlovey Creek near Baxter.... 119
  - near Harmony.... 130
- Sowashee Creek at Meridian....54,130,182
- Spanish Bayou at Natchez.... 126
- Specific conductance, definition of.... 5
- Stage-discharge relation, definition of.... 6
- Steens, Luxapallila Creek at.... 39
- Stock Pond Draw near Liberty.... 127
- Strong River at D'Lo.... 122
  - near Puckett.... 122
- Sunflower River at Sunflower.... 102
- Surface water publications, explanation of.... 13
- Swan Lake, Tallahatchie River at.... 95

- Tacketts Creek tributary near Pickens.... 125
- Tallabogue Creek tributary near Harperville.... 121
- Tallahala Creek at Laurel....48,179
  - at Waldrup.... 119
  - near Ellisville....129,180
  - near Mahned.... 113
  - near Moselle.... 129
  - near Runnelstown....49,159
- Tallahatchie River at Swan Lake.... 95
  - near Lambert.... 94
- Tallahatta Creek near Chunky.... 130
- Tallahattah Creek near Waldrup....119-179
- Tallahoma Creek near Laurel....113-179
- Tallahoma Creek tributary at Lake Como.... 119
- Tallasher Creek near Center Ridge.... 130
- Tangipahoa River tributary near McComb.... 127
- Tchoutacabouffa River basin, crest-stage partial-record stations in.... 120
  - discharge measurements at miscellaneous sites in.... 132
- Temperature.... 16
- Tennessee River at Florence, Ala.... 78
  - at Indian Creek.... 186
- Tennessee River basin, discharge measurements at miscellaneous sites in.... 134
  - gaging-station records in....78-80
  - water quality records in.... 177
- Tennessee-Tombigbee Study Area, miscellaneous discharge measurements in....136-144
- Terms and abbreviations, definition of.... 3
- Thermograph, definition of.... 6
- Thompson Creek basin, crest-stage partial-record stations in.... 127
- Thompson Creek at Strengthford.... 130
  - near Hintonville....113,180
- Three Mile Creek at Jackson.... 122
- Tibbee Creek near Tibbee.... 37
- Tie Plant Branch near Grenada.... 124
- Tilda Bogue near Canton.... 125
- Tippah Creek near Ashland....114,188
- Tippah River near Potts Camp....134,192-193
- Tippo Bayou tributary at Phillip.... 124
- Tombigbee River at Aberdeen....31,154
  - at Barrs Ferry near Smithville....128,152
  - at Beans Ferry near Fulton.... 151
  - at Bigbee.... 27
  - at Columbus....38,155
  - near Amory....30,153
  - near Cochrane, Ala.... 40-41
  - near Fulton....25,150
  - near Marietta....116,149
- Tons per acre-foot, definition of.... 6
- Tons per day, definition of.... 6
- Topashaw Canal near Calhoun City....194-195
- Town Creek at Eason Boulevard at Tupelo.... 28
  - at Tupelo.... 116
  - near Amory.... 128
  - near Nettleton.... 29
  - near Verona.... 128
- Town Creek at Jackson.... 121

Page
Trim Cane Creek near Starkville........................ 117
Truck Stop ditch near Tupelo........................ 116
Tupelo, Town Creek at Eason Boulevard at........................ 28
Turkey Creek at Coffeeville........................134,194-195
  near Coffeeville........................194-195
Tuscolameta Creek at Walnut Grove........................ 70
Tuscumbia River near Corinth........................134,190-191
Tuxachanie Creek near Biloxi........................120,132
  near Saucier........................ 132
Twentymile Creek near Baldwyn........................128,190-191
  near Mantachie........................ 128
Tylertown, Bogue Chitto near........................ 77

Vestry, Red Creek at........................63,185
Vicksburg, Mississippi River at........................103,104

Walls Creek tributary near Brooklyn........................ 120
Walnut Grove, Tuscolameta Creek at........................ 70
Waterfall Branch near McLain........................ 119
Water quality publications........................ 16
Wesley Branch near Walnut........................ 123
West Fork Amite River near Liberty........................ 135
West Hobolochitto Creek near McNeill........................ 123
  near Poplarville........................ 134
West Pascagoula River at Gautier........................ 145
  near Vancleave........................ 145
West Point, Chuquatonchee Creek near........................ 36
West Tallahala Creek near Louin........................ 129
Whiteoak Creek tributary near Utica........................ 126
Whitesand Creek near Oak Vale........................ 75
Willows, Bayou Pierre near........................ 108
Wolf River at Springhill........................ 187

Page
Wolf River basin, crest-stage partial-record stations in. 120
  gaging station records in........................66-67
  discharge measurements at miscellaneous sites in........ 133
Wolf River near Gulfport........................ 133
  near Landon........................66-67
Woodville, Buffalo River near........................ 111
Wortham, Biloxi River at........................ 65
WRD, definition of........................ 6
WSP, definition of........................ 6

Yalobusha River at Calhoun City........................96,194-195
  at Graysport........................194-195
  at Grenada........................194-195
  at Grenada Dam, near Grenada........................ 99
Yazoo River at Greenwood........................ 101
Yazoo River basin, crest-stage partial-record
    stations in........................123-125
  discharge measurements at miscellaneous sites in.....134-135
  gaging-station records in........................84-102
  low-flow partial-record stations in........................114-115
  water quality records in........................187-189,192-195
Yellow Creek near Doskie........................ 177
Yockanookany River at Weir........................133,190-191
  near Ackerman........................ 133
  near Kosciusko........................ 71
  near Ofahoma........................ 72
Yockanookany River tributary near McCool........................ 121
Yocona River at Enid Dam, near Enid........................91,192-193
  near Oxford........................89,192-193
  near Water Valley........................192-193
Youngs Creek near New Site........................ 128